Form 3160-3
(September 2001)

FORM APPROVED
OMB No. 1004-0136
Expires January 31, 2004

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No.: UTU-020252A

6. If Indian, Allottee or Tribe Name: N/A

1a. Type of Work: [x] DRILL [ ] REENTER

7. If Unit or CA Agreement, Name and No.: Jonah Unit

1b. Type of Well: [x] Oil Well [ ] Gas Well [ ] Other [x] Single Zone [ ] Multiple Zone

8. Lease Name and Well No.: Jonah Federal X-6-9-17

2. Name of Operator: Newfield Production Company

9. API Well No.: 43-013-34120

3a. Address: Route #3 Box 3630, Myton UT 84052

3b. Phone No. *(include area code)*: (435) 646-3721

10. Field and Pool, or Exploratory: Monument Butte

4. Location of Well *(Report location clearly and in accordance with any State requirements.*)*

At surface: NE/NW 1107' FNL 2230' FWL Sec. 7, T9S R17E

At proposed prod. zone: SE/SW 40' FSL 1465' FWL Sec. 6, T9S R17E

11. Sec., T., R., M., or Blk. and Survey or Area: Sec. 7, T9S R17E

14. Distance in miles and direction from nearest town or post office*: Approximatley 15.2 miles southeast of Myton, Utah

12. County or Parish: Duchesne

13. State: UT

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 40' f/lse, 2680' f/unit	16. No. of Acres in lease: 637.35	17. Spacing Unit dedicated to this well: 20 Acres
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1703'	19. Proposed Depth: 6025'	20. BLM/BIA Bond No. on file: WYB000493
21. Elevations (Show whether DF, KDB, RT, GL, etc.): 5323' GL	22. Approximate date work will start*: 1st Quarter 2009	23. Estimated duration: Approximately seven (7) days from spud to rig release.

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification.
6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature: Mandie Crozier — Name *(Printed/Typed)*: Mandie Crozier — Date: 9/18/08

Title: Regulatory Specialist

Approved by *(Signature)*: — Name *(Printed/Typed)*: BRADLEY G. HILL — Date: 11-05-08

Title: ENVIRONMENTAL MANAGER — Office:

Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**(Instructions on reverse)*

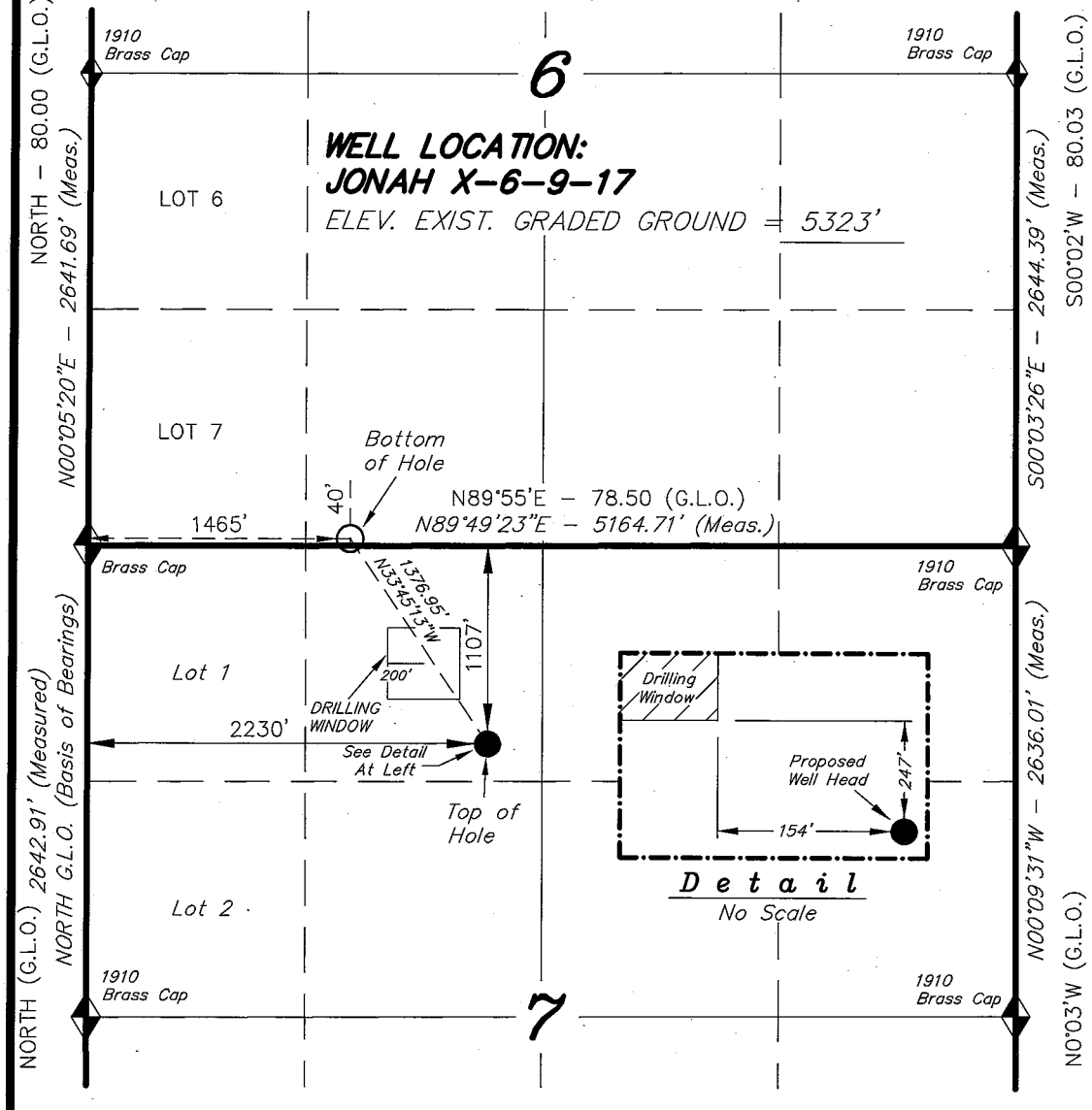
Surf
581063X
4433479Y
40.049547
-110.049681

Federal Approval of this Action is Ne...

BHL
580826 X
4433824Y
40.052682
-110.052419

RECEIVED
OCT 21 2008
DIV. OF OIL, GAS & MINING

T9S, R17E, S.L.B.&M.



◆ = SECTION CORNERS LOCATED

BASIS OF ELEV;
U.S.G.S. 7-1/2 min QUAD (MYTON SE)

JONAH X-6-9-17
(Surface Location) *NAD 83*
LATITUDE = 40° 02' 58.47"
LONGITUDE = 110° 03' 01.38"

NEWFIELD PRODUCTION COMPANY

WELL LOCATION, JONAH X-6-9-17, LOCATED AS SHOWN IN THE NE 1/4 NW 1/4 OF SECTION 7, T9S, R17E, S.L.B.&M. DUCHESNE COUNTY, UTAH.

1000' 500' 0' 1000'
BAR SCALE

N

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR No.189377 STATE OF UTAH

STACY W. STEWART
REGISTERED LAND SURVEYOR
REGISTRATION No. 189377
STATE OF UTAH

TRI STATE LAND SURVEYING & CONSULTING
180 NORTH VERNAL AVE. - VERNAL, UTAH 84078
(435) 781-2501

DATE SURVEYED: 06-11-08	SURVEYED BY: T.H.
DATE DRAWN: 06-13-08	DRAWN BY: F.T.M.
REVISED:	SCALE: 1" = 1000'

NEWFIELD PRODUCTION COMPANY
JONAH FEDERAL X-6-9-17
NE/NW SECTION 7, T9S, R17E
DUCHESNE COUNTY, UTAH

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1. ***GEOLOGIC SURFACE FORMATION:***

Uinta formation of Upper Eocene Age

2. ***ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:***

Uinta	0' – 1390'
Green River	1390'
Wasatch	6025'

3. ***ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:***

Green River Formation 1390' – 6025' - Oil

4. ***PROPOSED CASING PROGRAM***

Please refer to the Monument Butte Field Standard Operation Procedure (SOP).

5. ***MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:***

Please refer to the Monument Butte Field SOP. See Exhibit "C".

6. ***TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:***

Please refer to the Monument Butte Field SOP.

7. ***AUXILIARY SAFETY EQUIPMENT TO BE USED:***

Please refer to the Monument Butte Field SOP.

8. ***TESTING, LOGGING AND CORING PROGRAMS:***

Please refer to the Monument Butte Field SOP.

9. ***ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:***

The anticipated maximum bottom hole pressure is 1800 psi. It is not anticipated that abnormal temperatures will be encountered.

10. ***ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:***

Please refer to the Monument Butte Field SOP.

NEWFIELD PRODUCTION COMPANY
JONAH FEDERAL X-6-9-17
AT SURFACE: NE/NW SECTION 7, T9S, R17E
DUCHESNE COUNTY, UTAH

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. *EXISTING ROADS*

See attached Topographic Map "A"

To reach Newfield Production Company well location site Jonah Federal X-6-9-17 located in the NE 1/4 NW 1/4 Section 7, T9S, R17E, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.4 miles ± to the junction of this highway and UT State Hwy 53; proceed southeasterly – 11.3 miles ± to it's junction with an existing dirt road to the southwest; proceed southwesterly – 1.1 miles ± to it's junction with an existing dirt road to the north; proceed in a northwesterly direction – 1.4 miles ± to the existing Getty 7C well lcoation.

2. *PLANNED ACCESS ROAD*

There is no proposed access road for this location. The proposed well will be drilled directionally off of the existing Getty 7C well pad. See attached **Topographic Map "B"**.

3. *LOCATION OF EXISTING WELLS*

Refer to Exhibit "B".

4. *LOCATION OF EXISTING AND/OR PROPOSED FACILITIES*

The proposed well will be drilled directionally off of the Getty 7C well pad. There will be a pumping unit and a short flow line added to the tank battery for the proposed Jonah Federal X-6-9-17. All permanent surface equipment will be painted Carlsbad Canyon.

Please refer to the Monument Butte Field Standard Operating Procedure (SOP).

5. *LOCATION AND TYPE OF WATER SUPPLY*

Newfield Production will transport water by truck for drilling purposes from the following water sources:

Johnson Water District
Water Right : 43-7478

Neil Moon Pond
Water Right: 43-11787

Maurice Harvey Pond
Water Right: 47-1358

Newfield Collector Well
Water Right: 41-3530 (A30414DV, contracted with the Duchesne County Conservancy District).

Please refer to the Monument Butte Field SOP. See Exhibit "A".

6. ***SOURCE OF CONSTRUCTION MATERIALS***

The proposed Jonah Federal X-6-9-17 will be drilled off of the existing Getty 7C well pad. No additional surface disturbance will be required for this location.

7. ***METHODS FOR HANDLING WASTE DISPOSAL***

Please refer to the Monument Butte Field SOP.

8. ***ANCILLARY FACILITIES***

Please refer to the Monument Butte Field SOP.

9. ***WELL SITE LAYOUT***

See attached Location Layout Diagram.

10. ***PLANS FOR RESTORATION OF SURFACE***

Please refer to the Monument Butte Field SOP.

11. ***SURFACE OWNERSHIP*** - Bureau Of Land Management (Proposed location and access roads leading to).

12. ***OTHER ADDITIONAL INFORMATION***

Newfield Production Company requests 1160' of disturbed area be granted in Lease UTU-020252A to allow for construction of the proposed water lines. It is proposed that the disturbed area will temporarily be 50' wide to allow for construction of a buried 3" steel water injection line and a buried 3" poly water return line and 30' wide upon completion of the proposed water lines. **Refer to Topographic Map "C."** For a ROW plan of development, please refer to the Monument Butte Field SOP. In the event that the proposed well is converted to a water injection well, a separate injection permit will be applied for through the proper agencies.

The Archaeological Resource Survey and Paleontological Resource Survey for this area are attached. MOAC Report #08-197, 8/22/08. Paleontological Resource Survey prepared by, Wade E. Miller, 7/25/08. See attached report cover pages, Exhibit "D".

Water Disposal
Immediately upon first production, all produced water will be confined to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte, Jonah, and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project.

Water not meeting quality criteria, is disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E), State of Utah approved surface disposal facilities, or Federally approved surface disposal facilities.

Threatened, Endangered, And Other Sensitive Species
None for the proposed Jonah Federal X-6-9-17.

Reserve Pit Liner
A 16 mil liner with felt is required. Please refer to the Monument Butte Field SOP.

Location and Reserve Pit Reclamation
Please refer to the Monument Butte Field SOP.

The following seed mixture will be used on the topsoil stockpile, to the recontoured surface of the reserve pit, and for final reclamation: (All poundages are in pure live seed)

Squirrell Tail	*Elymus Elymoides*	6 lbs/acre
Siberian Wheatgrass	*Agropyron Fragile*	2 lbs/acre
Gardner Saltbush	*Atriplex Gardneri*	1 lbs/acre
Shadscale	*Atriplex Confertifolia*	1 lbs/acre
Fourwing Saltbush	*Atriplex Canescens*	1 lbs/acre
Scarlet Globemallow	*Sphaeralcea Conccinea*	0.20 lbs/acre
Forage Kochia	*Kochia Prostrata*	0.20 lbs/acre

Details of the On-Site Inspection
The proposed Jonah Federal X-6-9-17 was on-sited on 7/16/08. The following were present; Kevan Stevens (Newfield Production), Michael Cutler (Bureau of Land Management), Brandon McDonald (Bureau of Land Management), and James Herford (Bureau of Land Management). Weather conditions were clear and ground cover was 100% open.

LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION

Representative

Name:	Dave Allred
Address:	Route #3 Box 3630
	Myton, UT 84052
Telephone:	(435) 646-3721

Certification

Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #X-6-9-17 NE/NW Section 7, Township 9S, Range 17E: Lease UTU-020252A Duchesne County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by, Federal Bond #WYB000493.

I hereby certify that the proposed drill site and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Newfield Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

9/15/08
Date

Mandie Crozier
Regulatory Specialist
Newfield Production Company

Scientific Drilling
Rocky Mountain Operations

Project: Duchesne County, UT NAD83 UTC
Site: Jonah Unit
Well: Jonah Unit X-6-9-17
Wellbore: OH
Design: Plan #1

Newfield Exploration Co.

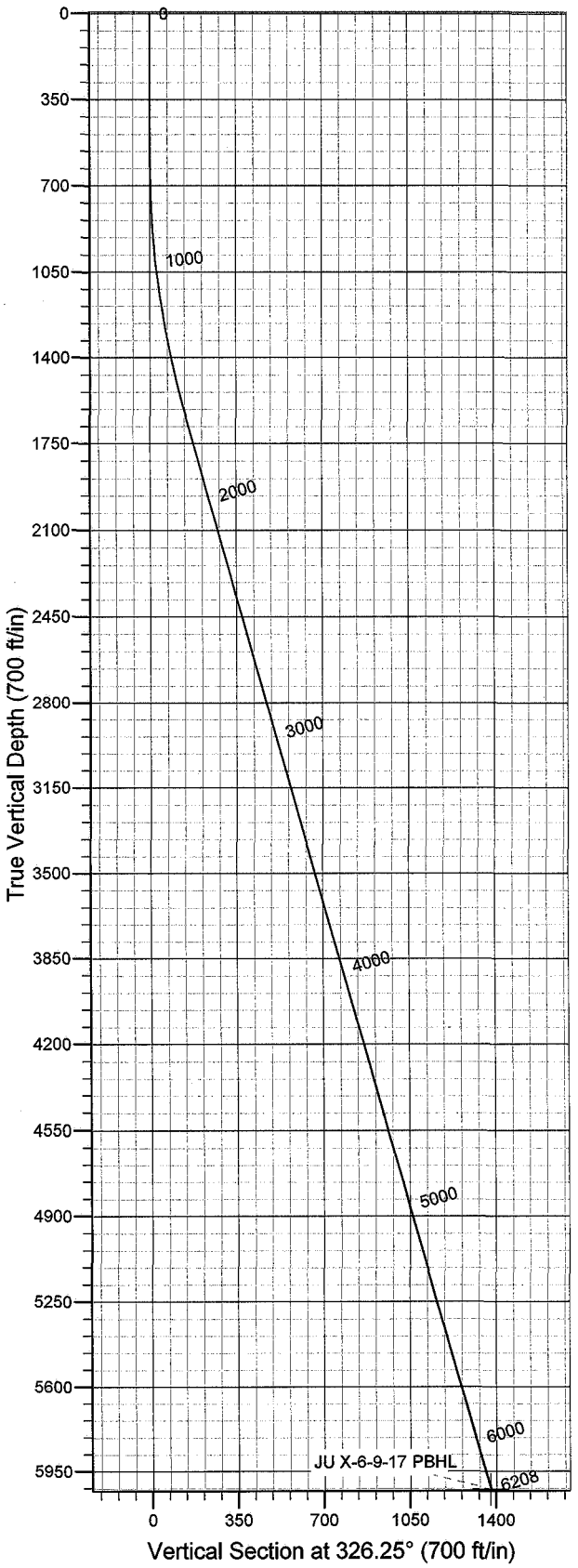
Azimuths to True North
Magnetic North: 11.64°

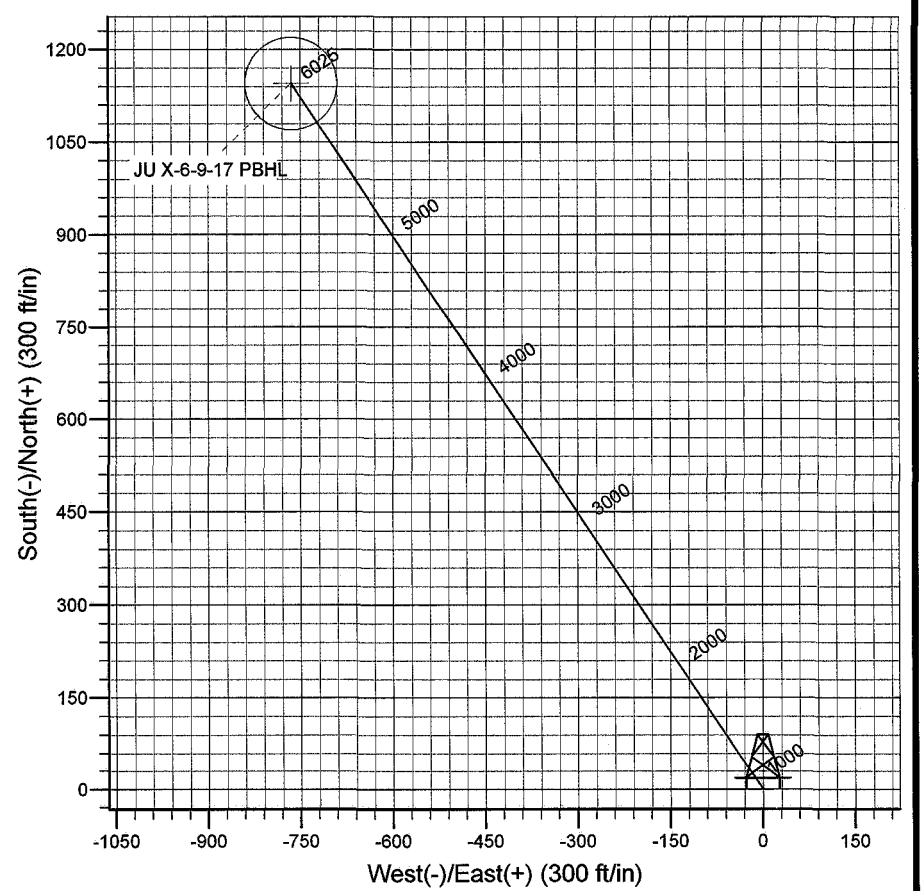
Magnetic Field
Strength: 52567.5snT
Dip Angle: 65.88°
Date: 2008-10-09
Model: IGRF2005-10

WELL DETAILS: Jonah Unit X-6-9-17

GL 5323' & RKB 12' @ 5335.00ft 5323.00

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	7190084.18	2046199.89	40° 2' 58.470 N	110° 3' 1.380 W





Plan: Plan #1 (Jonah Unit X-6-9-17/OH)

Created By: Julie Cruse Date: 2008-10-09

PROJECT DETAILS: Duchesne County, UT NAD83 UTC

Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: Utah Central Zone
Location:
System Datum: Mean Sea Level
Local North: True

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	
1646.73	15.70	326.25	1633.68	118.50	-79.18	1.50	326.25	142.52	
6208.26	15.70	326.25	6025.00	1144.89	-764.99	0.00	0.00	1376.95	JU X-6-9-17 PBHL

Scientific Drilling
Rocky Mountain Operations

Newfield Exploration Co.

Duchesne County, UT NAD83 UTC
Jonah Unit
Jonah Unit X-6-9-17
OH

Plan: Plan #1

Standard Planning Report

09 October, 2008

Database:	EDM 2003.16 Multiuser DB	**Local Co-ordinate Reference:**	Well Jonah Unit X-6-9-17
Company:	Newfield Exploration Co.	**TVD Reference:**	GL 5323' & RKB 12' @ 5335.00ft
Project:	Duchesne County, UT NAD83 UTC	**MD Reference:**	GL 5323' & RKB 12' @ 5335.00ft
Site:	Jonah Unit	**North Reference:**	True
Well:	Jonah Unit X-6-9-17	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

Project	Duchesne County, UT NAD83 UTC		
Map System:	US State Plane 1983	**System Datum:**	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Utah Central Zone		

Site	Jonah Unit,				
Site Position:		**Northing:**	7,195,384.71 ft	**Latitude:**	40° 3' 51.060 N
From:	Lat/Long	**Easting:**	2,044,880.81 ft	**Longitude:**	110° 3' 17.240 W
Position Uncertainty:	0.00 ft	**Slot Radius:**	in	**Grid Convergence:**	0.93 °

Well	Jonah Unit X-6-9-17, 1107' FNL 2230' FWL Sec 7 T9S R17E					
Well Position	**+N/-S**	0.00 ft	**Northing:**	7,190,084.18 ft	**Latitude:**	40° 2' 58.470 N
	+E/-W	0.00 ft	**Easting:**	2,046,199.89 ft	**Longitude:**	110° 3' 1.380 W
Position Uncertainty		0.00 ft	**Wellhead Elevation:**	ft	**Ground Level:**	5,323.00 ft

Wellbore	OH				
Magnetics	**Model Name**	**Sample Date**	**Declination (°)**	**Dip Angle (°)**	**Field Strength (nT)**
	IGRF2005-10	2008-10-09	11.64	65.88	52,568

Design	Plan #1				
Audit Notes:					
Version:		**Phase:**	PLAN	**Tie On Depth:**	0.00
Vertical Section:	**Depth From (TVD) (ft)**	**+N/-S (ft)**	**+E/-W (ft)**	**Direction (°)**	
	0.00	0.00	0.00	326.25	

Plan Sections

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,646.73	15.70	326.25	1,633.68	118.50	-79.18	1.50	1.50	0.00	326.25	
6,208.26	15.70	326.25	6,025.00	1,144.89	-764.99	0.00	0.00	0.00	0.00	JU X-6-9-17 PBHL

Database:	EDM 2003.16 Multiuser DB	**Local Co-ordinate Reference:**	Well Jonah Unit X-6-9-17
Company:	Newfield Exploration Co.	**TVD Reference:**	GL 5323' & RKB 12' @ 5335.00ft
Project:	Duchesne County, UT NAD83 UTC	**MD Reference:**	GL 5323' & RKB 12' @ 5335.00ft
Site:	Jonah Unit	**North Reference:**	True
Well:	Jonah Unit X-6-9-17	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	1.50	326.25	699.99	1.09	-0.73	1.31	1.50	1.50	0.00
800.00	3.00	326.25	799.91	4.35	-2.91	5.23	1.50	1.50	0.00
900.00	4.50	326.25	899.69	9.79	-6.54	11.77	1.50	1.50	0.00
1,000.00	6.00	326.25	999.27	17.40	-11.63	20.92	1.50	1.50	0.00
1,100.00	7.50	326.25	1,098.57	27.17	-18.16	32.68	1.50	1.50	0.00
1,200.00	9.00	326.25	1,197.54	39.10	-26.13	47.03	1.50	1.50	0.00
1,300.00	10.50	326.25	1,296.09	53.18	-35.54	63.96	1.50	1.50	0.00
1,400.00	12.00	326.25	1,394.16	69.40	-46.37	83.47	1.50	1.50	0.00
1,500.00	13.50	326.25	1,491.70	87.75	-58.63	105.54	1.50	1.50	0.00
1,600.00	15.00	326.25	1,588.62	108.22	-72.31	130.15	1.50	1.50	0.00
1,646.73	15.70	326.25	1,633.68	118.50	-79.18	142.52	1.50	1.50	0.00
1,700.00	15.70	326.25	1,684.96	130.49	-87.19	156.94	0.00	0.00	0.00
1,800.00	15.70	326.25	1,781.23	152.99	-102.23	184.00	0.00	0.00	0.00
1,900.00	15.70	326.25	1,877.50	175.49	-117.26	211.06	0.00	0.00	0.00
2,000.00	15.70	326.25	1,973.77	197.99	-132.30	238.13	0.00	0.00	0.00
2,100.00	15.70	326.25	2,070.04	220.49	-147.33	265.19	0.00	0.00	0.00
2,200.00	15.70	326.25	2,166.30	243.00	-162.36	292.25	0.00	0.00	0.00
2,300.00	15.70	326.25	2,262.57	265.50	-177.40	319.31	0.00	0.00	0.00
2,400.00	15.70	326.25	2,358.84	288.00	-192.43	346.37	0.00	0.00	0.00
2,500.00	15.70	326.25	2,455.11	310.50	-207.47	373.43	0.00	0.00	0.00
2,600.00	15.70	326.25	2,551.38	333.00	-222.50	400.50	0.00	0.00	0.00
2,700.00	15.70	326.25	2,647.65	355.50	-237.54	427.56	0.00	0.00	0.00
2,800.00	15.70	326.25	2,743.92	378.00	-252.57	454.62	0.00	0.00	0.00
2,900.00	15.70	326.25	2,840.19	400.50	-267.61	481.68	0.00	0.00	0.00
3,000.00	15.70	326.25	2,936.45	423.00	-282.64	508.74	0.00	0.00	0.00
3,100.00	15.70	326.25	3,032.72	445.50	-297.68	535.80	0.00	0.00	0.00
3,200.00	15.70	326.25	3,128.99	468.01	-312.71	562.87	0.00	0.00	0.00
3,300.00	15.70	326.25	3,225.26	490.51	-327.75	589.93	0.00	0.00	0.00
3,400.00	15.70	326.25	3,321.53	513.01	-342.78	616.99	0.00	0.00	0.00
3,500.00	15.70	326.25	3,417.80	535.51	-357.82	644.05	0.00	0.00	0.00
3,600.00	15.70	326.25	3,514.07	558.01	-372.85	671.11	0.00	0.00	0.00
3,700.00	15.70	326.25	3,610.34	580.51	-387.88	698.17	0.00	0.00	0.00
3,800.00	15.70	326.25	3,706.60	603.01	-402.92	725.24	0.00	0.00	0.00
3,900.00	15.70	326.25	3,802.87	625.51	-417.95	752.30	0.00	0.00	0.00
4,000.00	15.70	326.25	3,899.14	648.01	-432.99	779.36	0.00	0.00	0.00
4,100.00	15.70	326.25	3,995.41	670.51	-448.02	806.42	0.00	0.00	0.00
4,200.00	15.70	326.25	4,091.68	693.02	-463.06	833.48	0.00	0.00	0.00
4,300.00	15.70	326.25	4,187.95	715.52	-478.09	860.54	0.00	0.00	0.00
4,400.00	15.70	326.25	4,284.22	738.02	-493.13	887.61	0.00	0.00	0.00
4,500.00	15.70	326.25	4,380.48	760.52	-508.16	914.67	0.00	0.00	0.00
4,600.00	15.70	326.25	4,476.75	783.02	-523.20	941.73	0.00	0.00	0.00
4,700.00	15.70	326.25	4,573.02	805.52	-538.23	968.79	0.00	0.00	0.00
4,800.00	15.70	326.25	4,669.29	828.02	-553.27	995.85	0.00	0.00	0.00
4,900.00	15.70	326.25	4,765.56	850.52	-568.30	1,022.91	0.00	0.00	0.00
5,000.00	15.70	326.25	4,861.83	873.02	-583.34	1,049.98	0.00	0.00	0.00
5,100.00	15.70	326.25	4,958.10	895.52	-598.37	1,077.04	0.00	0.00	0.00
5,200.00	15.70	326.25	5,054.37	918.02	-613.40	1,104.10	0.00	0.00	0.00

Database:	EDM 2003.16 Multiuser DB	**Local Co-ordinate Reference:**	Well Jonah Unit X-6-9-17
Company:	Newfield Exploration Co.	**TVD Reference:**	GL 5323' & RKB 12' @ 5335.00ft
Project:	Duchesne County, UT NAD83 UTC	**MD Reference:**	GL 5323' & RKB 12' @ 5335.00ft
Site:	Jonah Unit	**North Reference:**	True
Well:	Jonah Unit X-6-9-17	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,300.00	15.70	326.25	5,150.63	940.53	-628.44	1,131.16	0.00	0.00	0.00
5,400.00	15.70	326.25	5,246.90	963.03	-643.47	1,158.22	0.00	0.00	0.00
5,500.00	15.70	326.25	5,343.17	985.53	-658.51	1,185.28	0.00	0.00	0.00
5,600.00	15.70	326.25	5,439.44	1,008.03	-673.54	1,212.35	0.00	0.00	0.00
5,700.00	15.70	326.25	5,535.71	1,030.53	-688.58	1,239.41	0.00	0.00	0.00
5,800.00	15.70	326.25	5,631.98	1,053.03	-703.61	1,266.47	0.00	0.00	0.00
5,900.00	15.70	326.25	5,728.25	1,075.53	-718.65	1,293.53	0.00	0.00	0.00
6,000.00	15.70	326.25	5,824.52	1,098.03	-733.68	1,320.59	0.00	0.00	0.00
6,100.00	15.70	326.25	5,920.78	1,120.53	-748.72	1,347.65	0.00	0.00	0.00
6,200.00	15.70	326.25	6,017.05	1,143.03	-763.75	1,374.72	0.00	0.00	0.00
6,208.26	15.70	326.25	6,025.00	1,144.89	-764.99	1,376.95	0.00	0.00	0.00

Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
JU X-6-9-17 PBHL - plan hits target center - Circle (radius 75.00)	0.00	0.00	6,025.00	1,144.89	-764.99	7,191,216.53	2,045,416.44	40° 3' 9.785 N	110° 3' 11.218 W

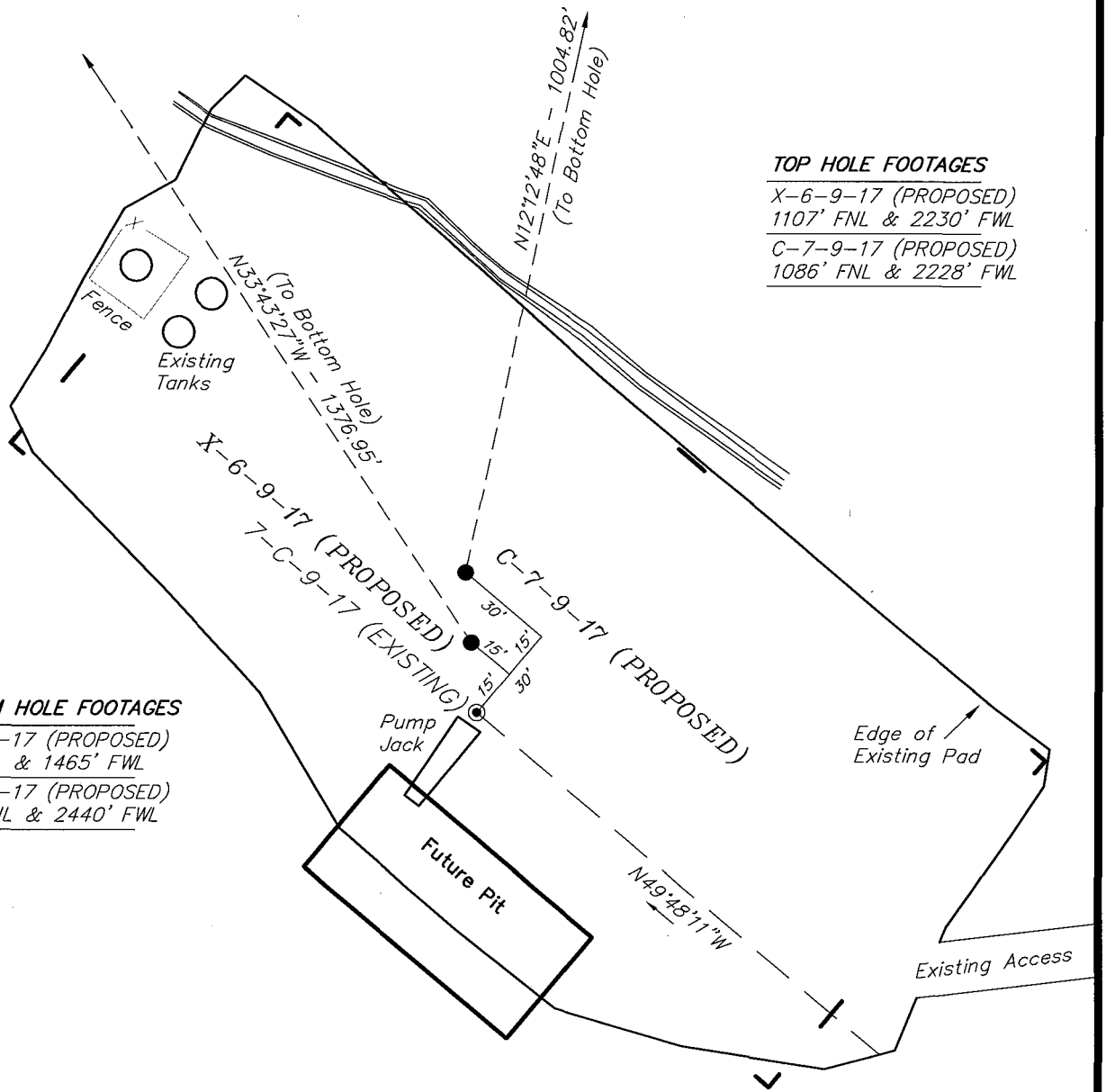
NEWFIELD PRODUCTION COMPANY

WELL PAD INTERFERENCE PLAT

JONAH UNIT X-6-9-17 (Proposed Well)
JONAH UNIT C-7-9-17 (Proposed Well)
JONAH UNIT 7-C-9-17 (Existing Well)

N

Pad Location: NENW Section 7, T9S, R17E, S.L.B.&M.



TOP HOLE FOOTAGES

X-6-9-17 (PROPOSED)
1107' FNL & 2230' FWL

C-7-9-17 (PROPOSED)
1086' FNL & 2228' FWL

BOTTOM HOLE FOOTAGES

X-6-9-17 (PROPOSED)
40' FSL & 1465' FWL

C-7-9-17 (PROPOSED)
105' FNL & 2440' FWL

Note:
Bearings are based on GLO Information.

RELATIVE COORDINATES
From top hole to bottom hole

WELL	NORTH	EAST
X-6-9-17	1,145'	-765'
C-7-9-17	982'	212'

LATITUDE & LONGITUDE
Surface position of Wells (NAD 83)

WELL	LATITUDE	LONGITUDE
X-6-9-17	40° 02' 58.47"	110° 03' 01.38"
C-7-9-17	40° 02' 58.68"	110° 03' 01.41"
7-C-9-17	40° 02' 58.26"	110° 03' 01.36"

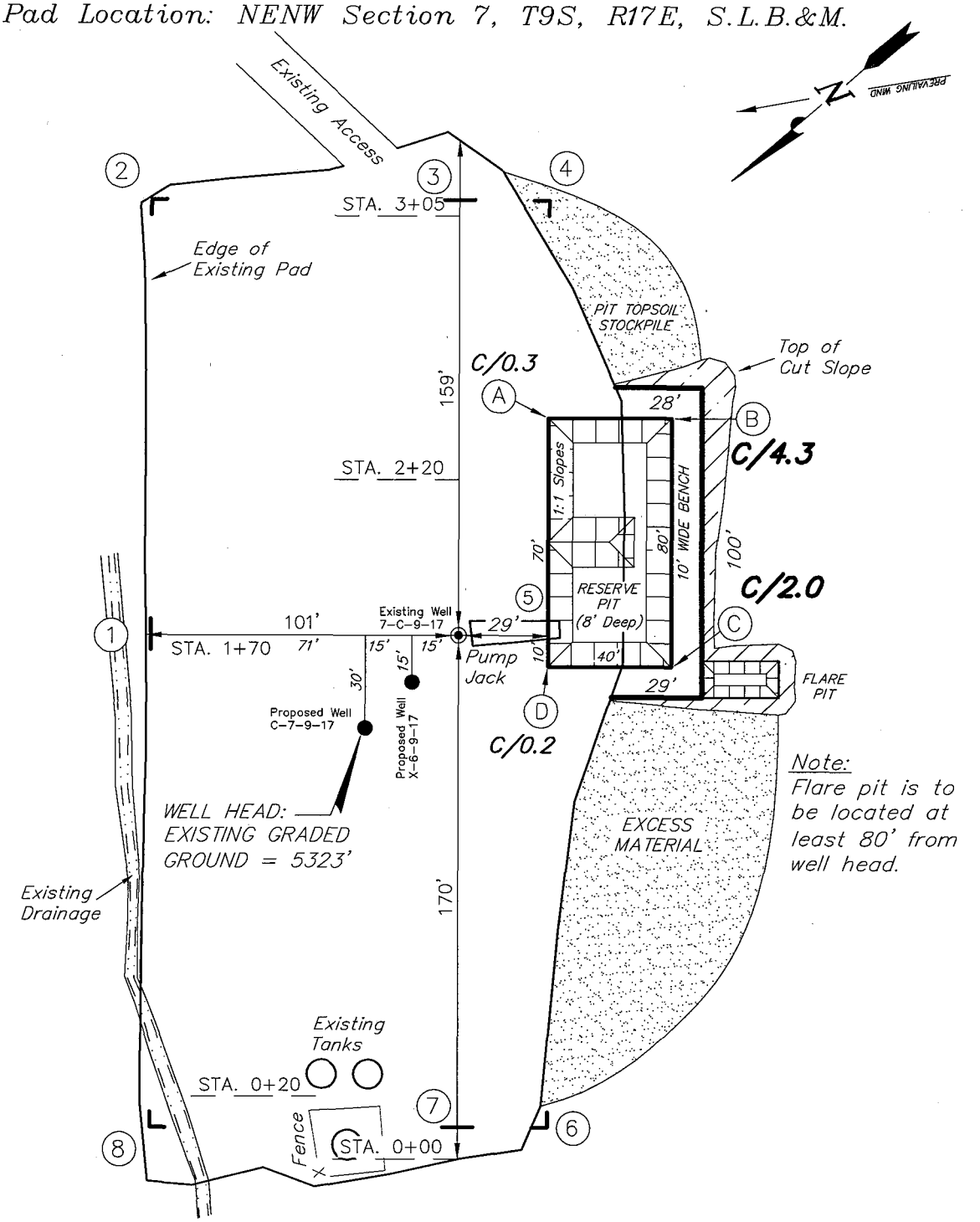
SURVEYED BY:	T.H.	DATE SURVEYED:	06-11-08
DRAWN BY:	F.T.M.	DATE DRAWN:	06-13-08
SCALE:	1" = 50'	REVISED:	

Tri State Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078
(435) 781-2501

NEWFIELD PRODUCTION COMPANY

JONAH UNIT X-6-9-17 (Proposed Well)
JONAH UNIT C-7-9-17 (Proposed Well)
JONAH UNIT 7-C-9-17 (Existing Well)

Pad Location: NENW Section 7, T9S, R17E, S.L.B.&M.



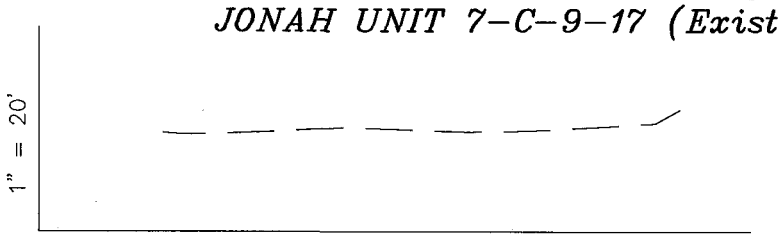
SURVEYED BY: T.H.	DATE SURVEYED:	06-11-08	
DRAWN BY: F.T.M.	DATE DRAWN:	06-13-08	
SCALE: 1" = 50'	REVISED:		

Tri State Land Surveying, Inc. (435) 781-2501
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

NEWFIELD PRODUCTION COMPANY

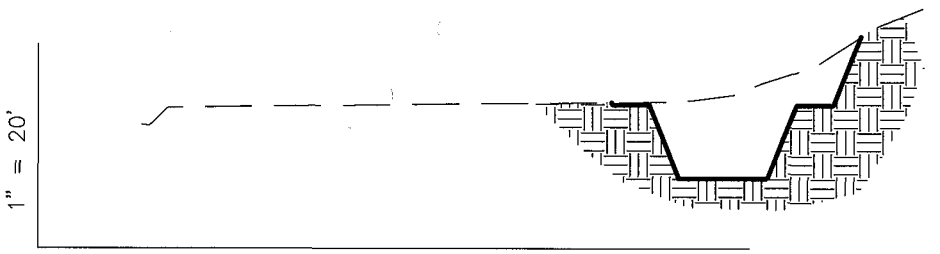
CROSS SECTIONS

JONAH UNIT X-6-9-17 (Proposed Well)
JONAH UNIT C-7-9-17 (Proposed Well)
JONAH UNIT 7-C-9-17 (Existing Well)



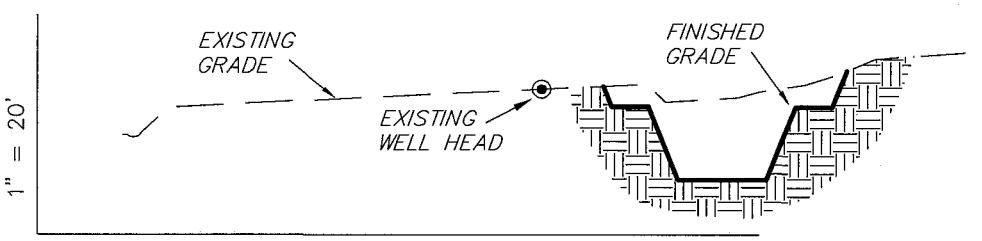
1" = 50'

STA. 3+05



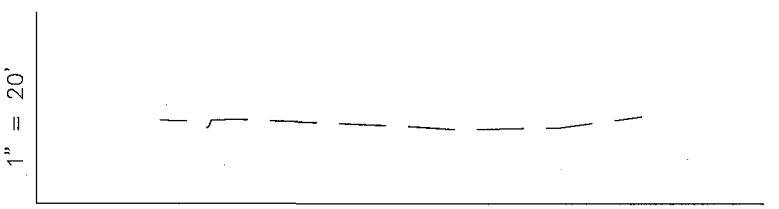
1" = 50'

STA. 2+20



1" = 50'

STA. 1+70



1" = 50'

STA. 0+20

NOTE:
UNLESS OTHERWISE NOTED
CUT SLOPES ARE AT 1:1
FILL SLOPES ARE AT 1.5:1

ESTIMATED EARTHWORK QUANTITIES
(No Shrink or swell adjustments have been used)
(Expressed in Cubic Yards)

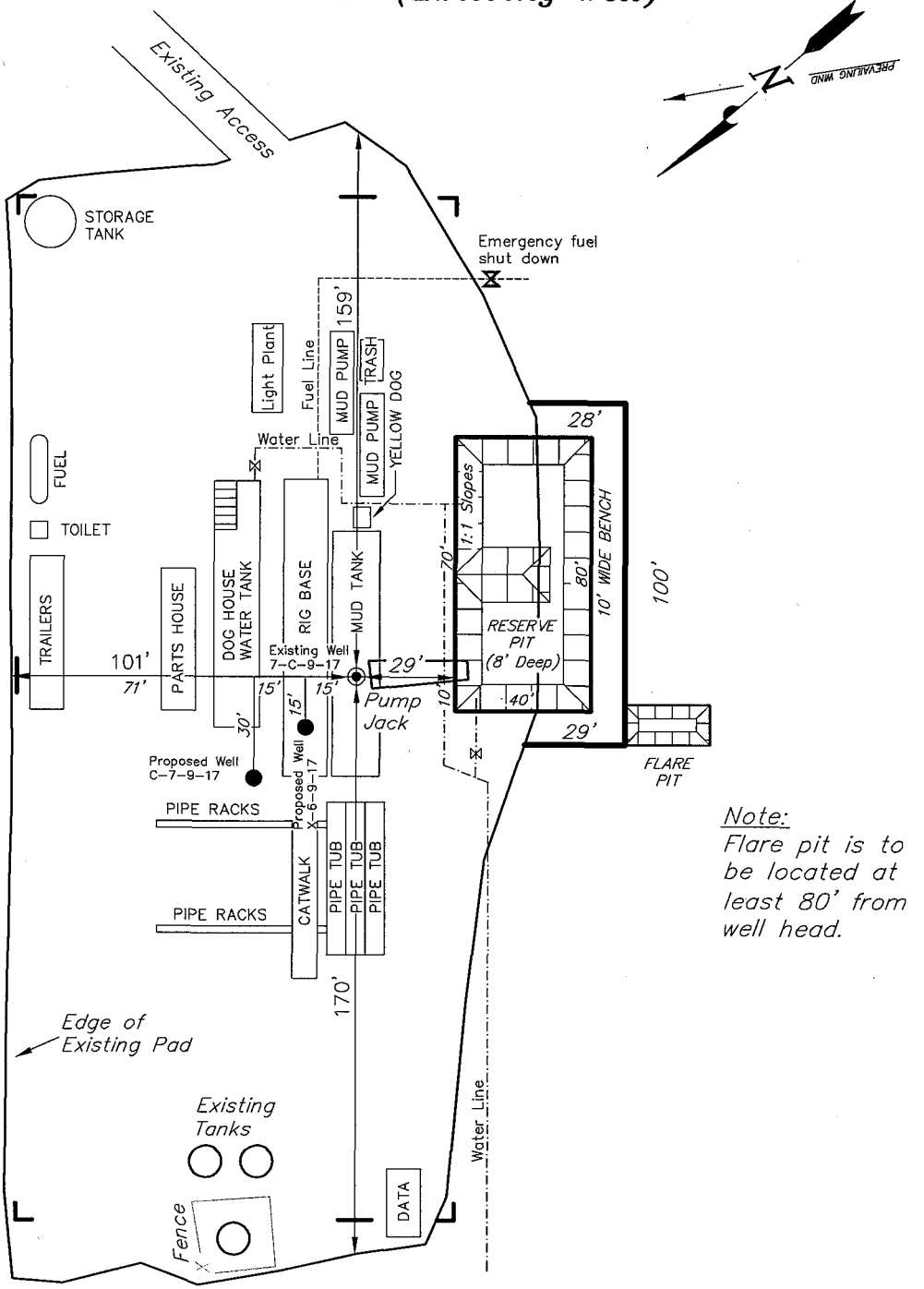
ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	530	0	Topsoil is not included in Pad Cut	530
PIT	640	0		640
TOTALS	1,170	0	140	1,170

SURVEYED BY: T.H.	DATE SURVEYED:	06-11-08	Tri State Land Surveying, Inc. (435) 781-2501
DRAWN BY: F.T.M.	DATE DRAWN:	06-13-08	180 NORTH VERNAL AVE. VERNAL, UTAH 84078
SCALE: 1" = 50'	REVISED:		

NEWFIELD PRODUCTION COMPANY

TYPICAL RIG LAYOUT

JONAH UNIT X-6-9-17 (Proposed Well)
JONAH UNIT C-7-9-17 (Proposed Well)
JONAH UNIT 7-C-9-17 (Existing Well)



Note:
Flare pit is to be located at least 80' from well head.

SURVEYED BY: T.H.	DATE SURVEYED:	06-11-08	Tri State Land Surveying, Inc. (435) 781-2501
DRAWN BY: F.T.M.	DATE DRAWN:	06-13-08	180 NORTH VERNAL AVE. VERNAL, UTAH 84078
SCALE: 1" = 50'	REVISED:		

Newfield Production Company
Proposed Site Facility Diagram

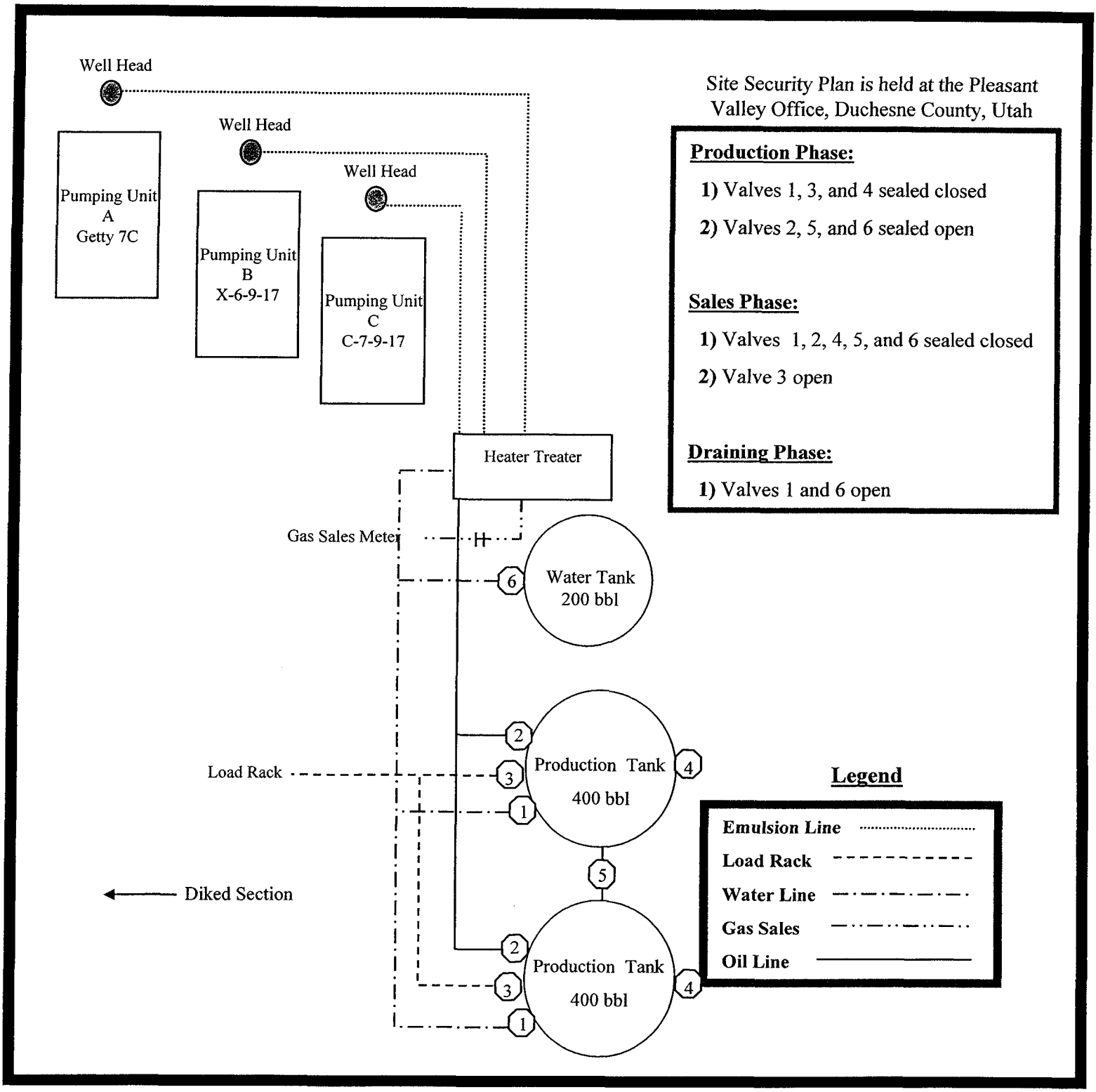
Jonah Federal X-6-9-17

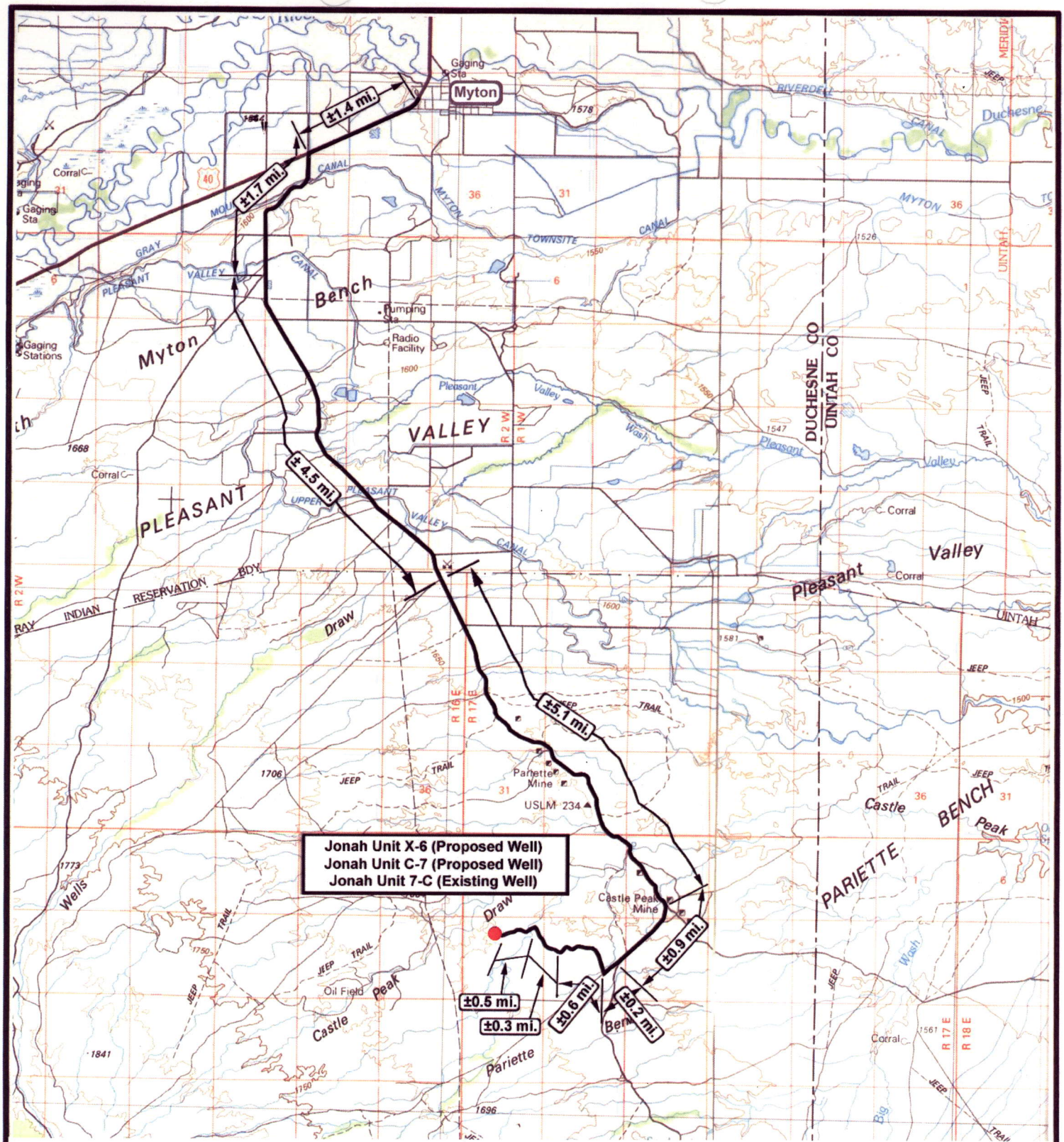
From the Getty 7C Location

NE/NW Sec. 7 T9S, R17E

Duchesne County, Utah

UTU-020252A





NEWFIELD
Exploration Company

Jonah Unit X-6-9-17 (Proposed Well)
Jonah Unit C-7-9-17 (Proposed Well)
Jonah Unit 7-C-9-17 (Existing Well)
Pad Location: NENW SEC. 6, T9S, R17E, S.L.B.&M.

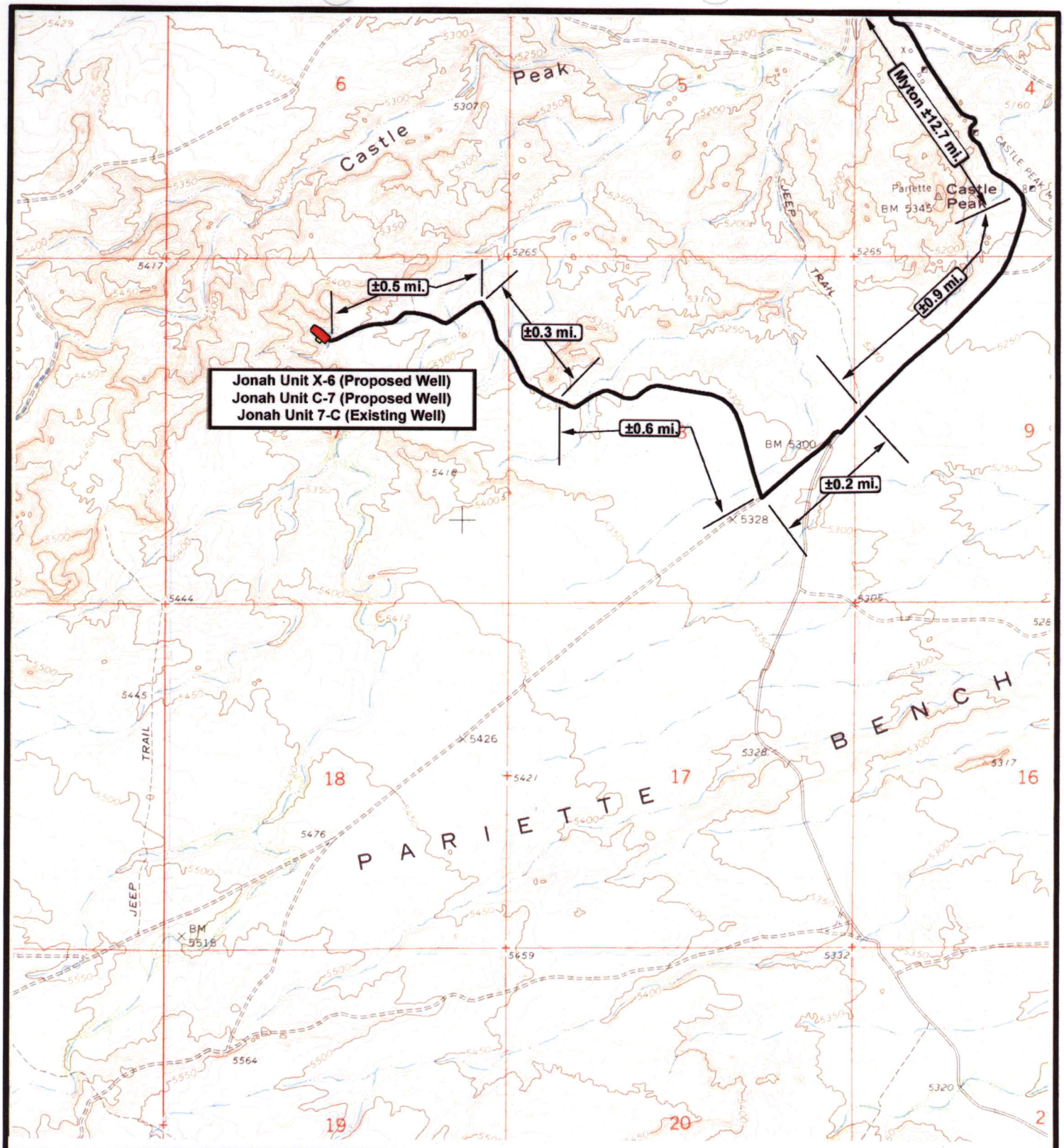
N

Tri-State Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1 : 100,000
DRAWN BY: JAS
DATE: 07-01-2008

Legend
Existing Road
Proposed Access

TOPOGRAPHIC MAP
"A"



NEWFIELD
Exploration Company

Jonah Unit X-6-9-17 (Proposed Well)
Jonah Unit C-7-9-17 (Proposed Well)
Jonah Unit 7-C-9-17 (Existing Well)
Pad Location: NENW SEC. 6, T9S, R17E, S.L.B.&M.

N

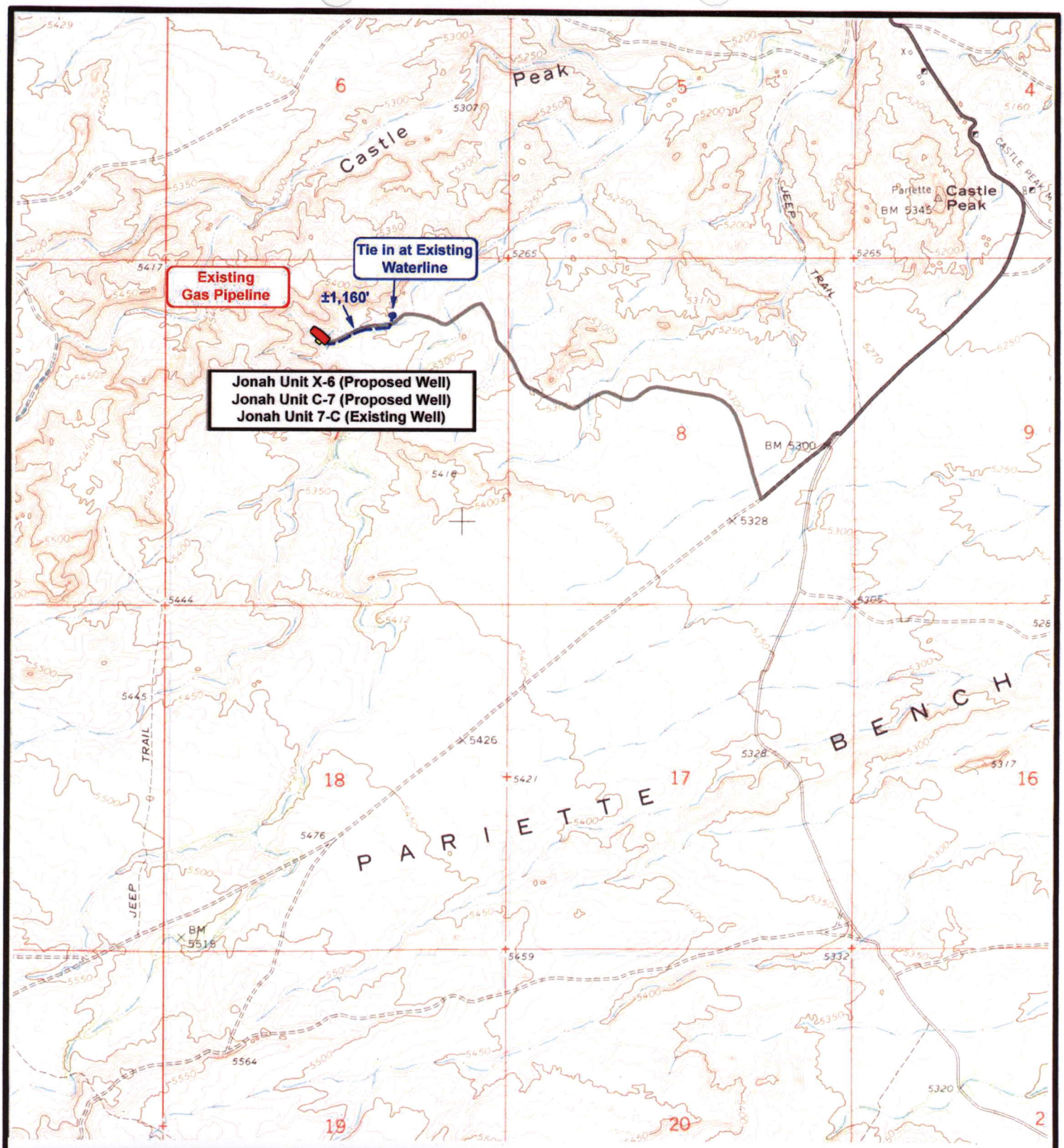
Tri-State Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'
DRAWN BY: JAS
DATE: 07-01-2008

Legend

Existing Road

TOPOGRAPHIC MAP
"B"



NEWFIELD
Exploration Company

Jonah Unit X-6-9-17 (Proposed Well)
Jonah Unit C-7-9-17 (Proposed Well)
Jonah Unit 7-C-9-17 (Existing Well)
Pad Location: NENW SEC. 6, T9S, R17E, S.L.B.&M.

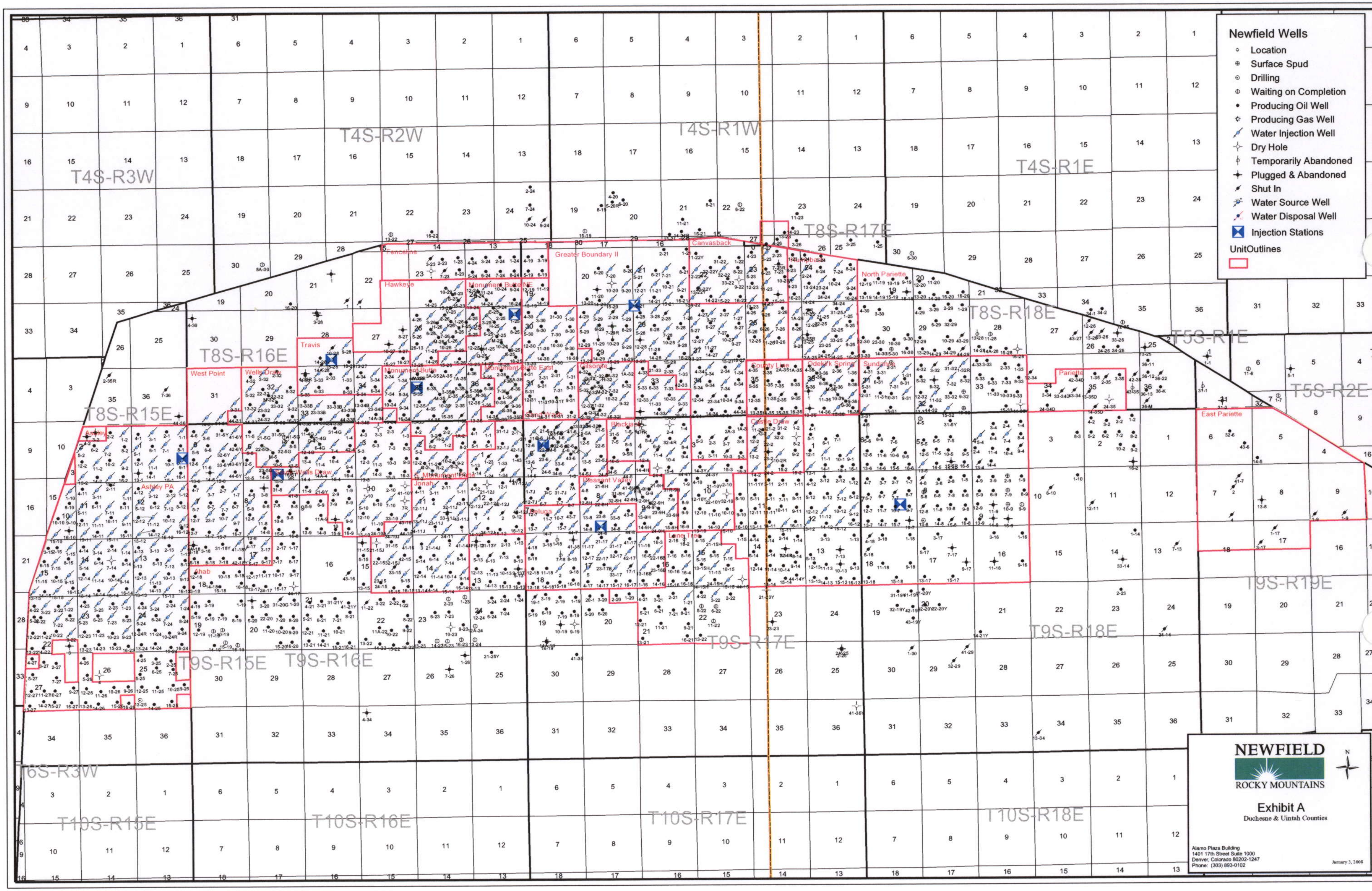
N

Tri-State Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

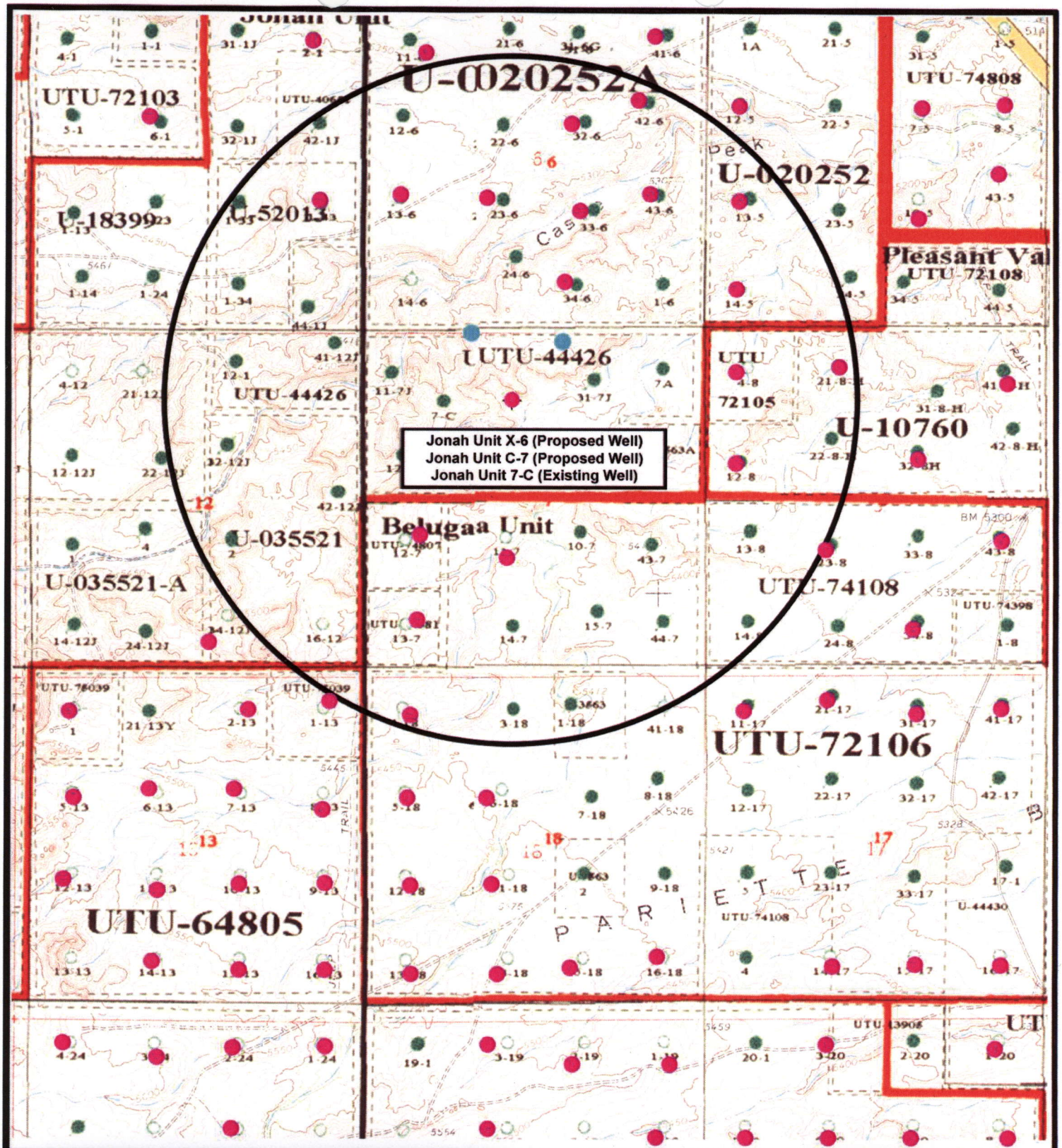
SCALE: 1" = 2,000'
DRAWN BY: JAS
DATE: 07-01-2008

Legend
Roads
Proposed Water Line

TOPOGRAPHIC MAP
"C"



Newfield Wells
Location
Surface Spud
Drilling
Waiting on Completion
Producing Oil Well
Producing Gas Well
Water Injection Well
Dry Hole
Temporarily Abandoned
Plugged & Abandoned
Shut In
Water Source Well
Water Disposal Well
Injection Stations
UnitOutlines
T4S-R3W
T4S-R2W
T4S-R1W
T4S-R1E
T8S-R17E
T8S-R16E
T8S-R18E
T5S-R1E
T5S-R2E
T8S-R15E
T9S-R15E
T9S-R16E
T9S-R17E
T9S-R18E
T9S-R19E
T6S-R3W
T10S-R15E
T10S-R16E
T10S-R17E
T10S-R18E
NEWFIELD
ROCKY MOUNTAINS
Exhibit A
Duchesne & Uintah Counties
Alamo Plaza Building
1401 17th Street Suite 1000
Denver, Colorado 80202-1247
Phone: (303) 893-0102
January 3, 2008



NEWFIELD
Exploration Company

Jonah Unit X-6-9-17 (Proposed Well)
Jonah Unit C-7-9-17 (Proposed Well)
Jonah Unit 7-C-9-17 (Existing Well)
Pad Location: NENW SEC. 6, T9S, R17E, S.L.B.&M.

N

Tri-State Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'
DRAWN BY: JAS
DATE: 07-01-2008

Legend
- Pad Location
- Bottom Hole Location
- One-Mile Radius

Exhibit"B"

2-M SYSTEM

Blowout Prevention Equipment Systems

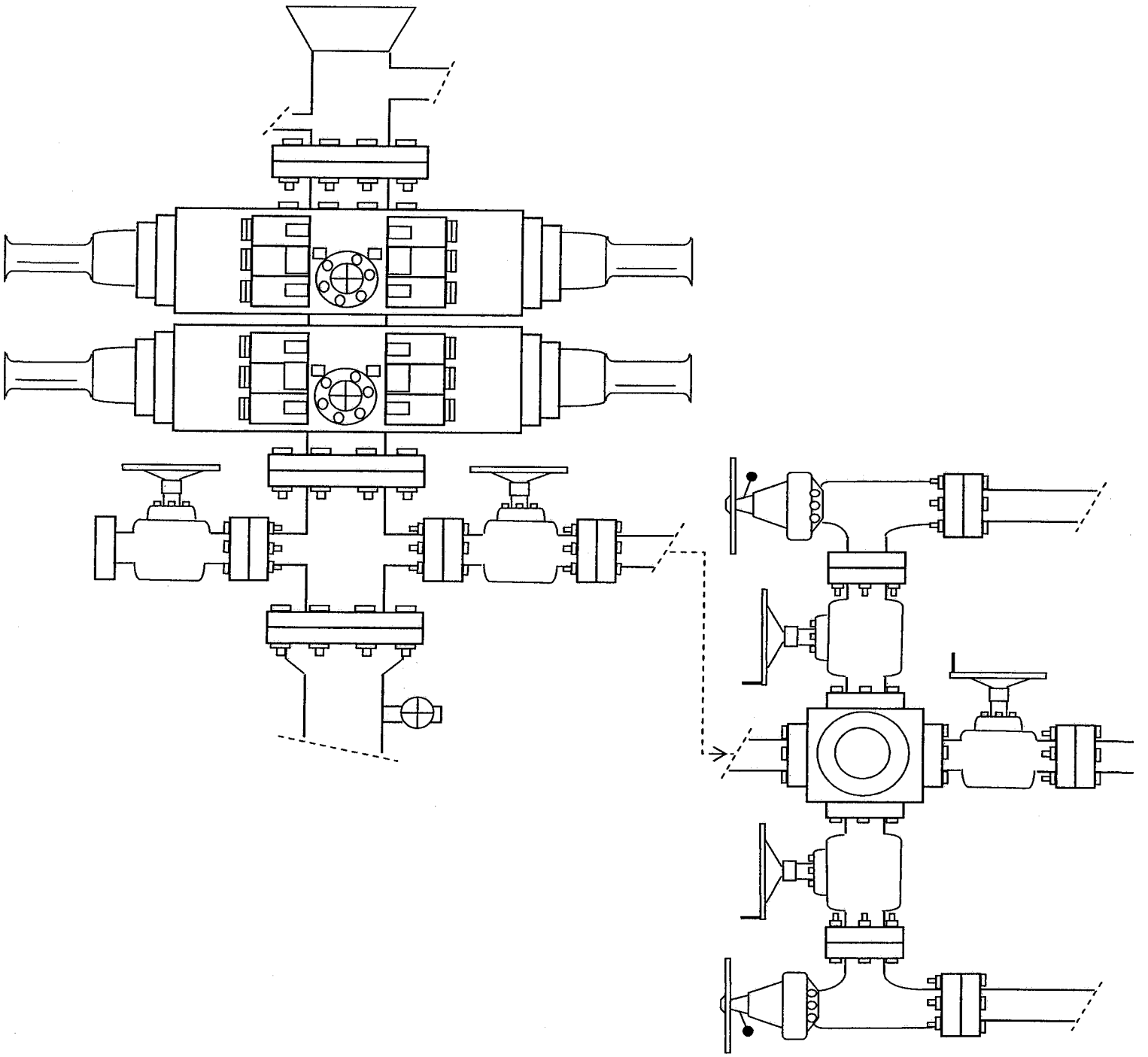


EXHIBIT C

Exhibit "D"
1 of 2

CULTURAL RESOURCE INVENTORY OF NEWFIELD EXPLORATION'S FOUR PROPOSED WATERLINES: JONAH UNIT T-1-9-16, G-11-9-16, X-6-9-17/C-7-9-17 AND BELUGA UNIT I-17-9-17 DUCHESNE AND UINTAH COUNTIES, UTAH

By:

Nicole Shelnut

Prepared for:
Bureau of Land Management
Vernal Field Office

Prepared Under Contract With:

Newfield Exploration Company
Rt. 3 Box 3630
Myton, Utah 84052

Submitted By:

Montgomery Archaeological Consultants, Inc.
P.O. Box 219
Moab, Utah 84532

MOAC Report No. 08-197

August 22, 2008

United States Department of Interior (FLPMA)
Permit No. 08-UT-60122

State of Utah Antiquities Project (Survey)
Permit No. U-08-MQ-0671b

NEWFIELD EXPLORATION COMPANY

WATER PIPELINE TIE-INS

DUCHESNE COUNTY, UTAH

**NW 1/4, SE 1/4, Section 28, T 8 S, R 17 E (10-28-8-17);
NE 1/4, NE 1/4, Section 17 & NE 1/4, NW 1/4, Section 7, T 9 S, R 17 E
(41-17-9-17 & 7-C-9-17); NE 1/4, SE 1/4, Section 1 & NW 1/4, NW 1/4,
Section 11, T 9 S, R 16 E (1-43-9-16 & 4-11-9-16)**

REPORT OF SURVEY

Prepared for:

Newfield Exploration Company

Prepared by:

Wade E. Miller
July 25, 2008

WORKSHEET

APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 10/21/2008

API NO. ASSIGNED: 43-013-34120

WELL NAME: JONAH FED X-6-9-17

OPERATOR: NEWFIELD PRODUCTION (N2695)

PHONE NUMBER: 435-646-3721

CONTACT: MANDIE CROZIER

PROPOSED LOCATION:

NENW 07 090S 170E

SURFACE: 1107 FNL 2230 FWL

BOTTOM: 0040 FSL 1465 FWL

COUNTY: DUCHESNE

LATITUDE: 40.04955 LONGITUDE: -110.0497

UTM SURF EASTINGS: 581063 NORTHINGS: 4433479

FIELD NAME: MONUMENT BUTTE (105)

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering		
Geology		
Surface		

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-020252A

PROPOSED FORMATION: GRRV

SURFACE OWNER: 1 - Federal

COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

✓ Plat

✓ Bond: Fed[1] Ind[] Sta[] Fee[]
(No. WYB000493)

N Potash (Y/N)

N Oil Shale 190-5 (B) or 190-3 or 190-13

✓ Water Permit
(No. 43-7478)

N RDCC Review (Y/N)
(Date:)

NA Fee Surf Agreement (Y/N)

NA Intent to Commingle (Y/N)

LOCATION AND SITING:

___ R649-2-3.

Unit: JONAH (GRRV)

___ R649-3-2. General

Siting: 460 From Qtr/Qtr & 920' Between Wells

___ R649-3-3. Exception

✓ Drilling Unit

Board Cause No: 228-2

Eff Date: 7-16-1993

Siting: Does NOT Suspend General Siting

✓ R649-3-11. Directional Drill

COMMENTS: Sop, Separate File

STIPULATIONS: Federal Approval

API Number: 4301334120

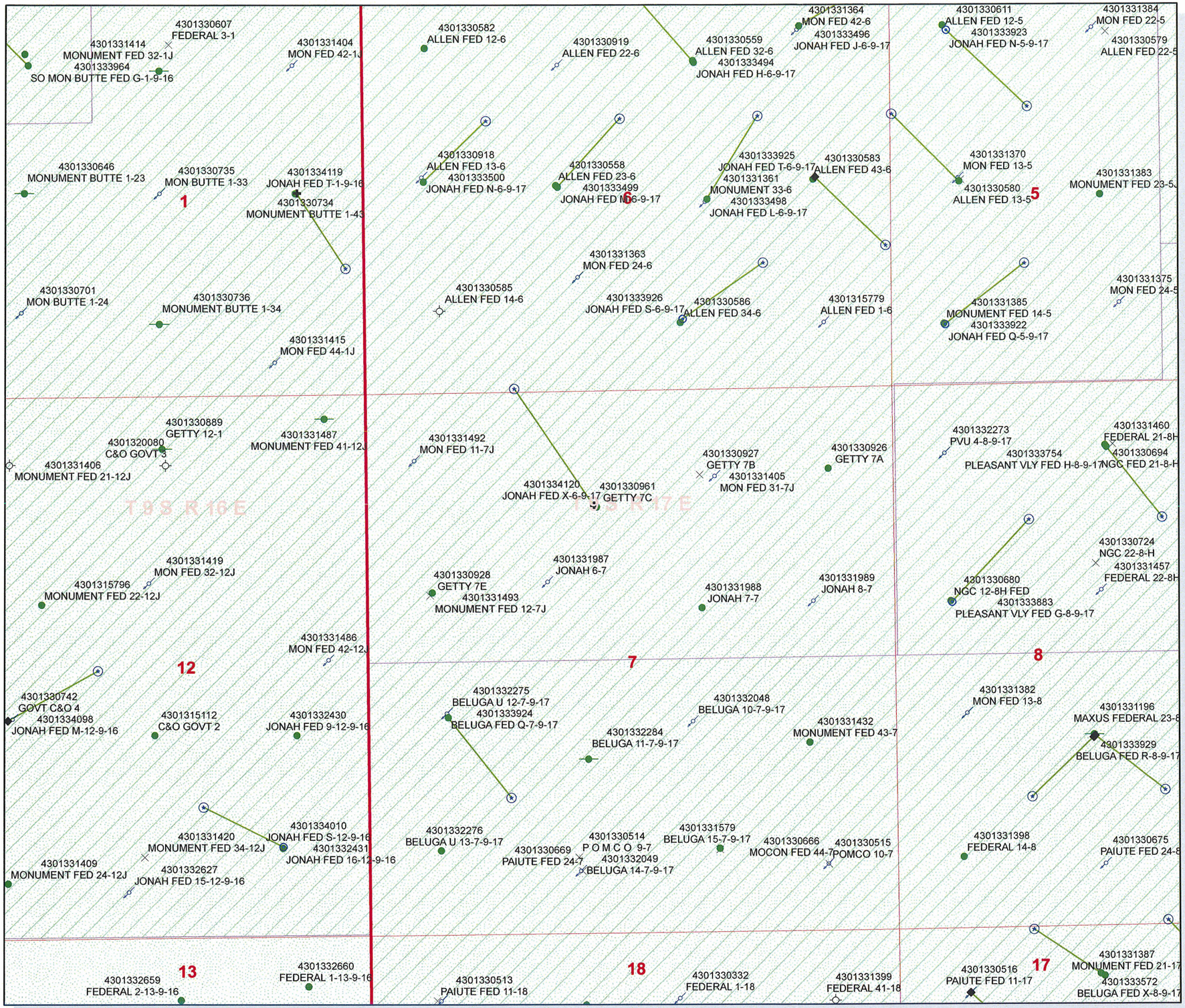
Well Name: JONAH FED X-6-9-17

Township 09.0 S Range 17.0 E Section 07

Meridian: SLBM

Operator: NEWFIELD PRODUCTION COMPANY

Map Prepared:
Map Produced by Diana Mason



Units

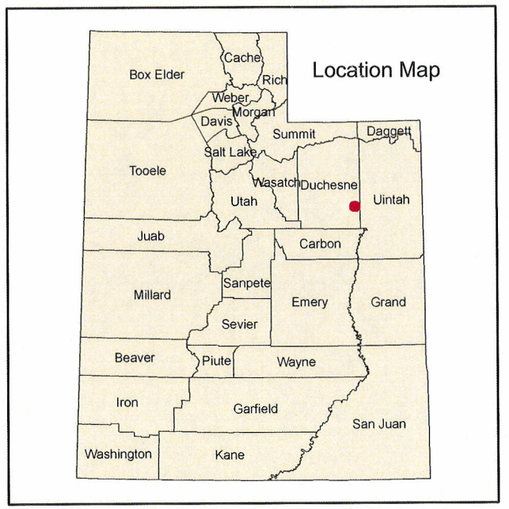
STATUS
- ACTIVE
- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED

Fields

STATUS
- ACTIVE
- COMBINED
- Sections
- Township

Wells Query Events
- <all other values>

GIS_STAT_TYPE
- <Null>
- APD
- DRL
- GI
- GS
- LA
- NEW
- OPS
- PA
- PGW
- POW
- RET
- SGW
- SOW
- TA
- TW
- WD
- WI
- WS



1,300 650 0 1,300 Feet

1:12,000

United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Utah State Office
P.O. Box 45155
Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:
3160
(UT-922)

October 24, 2008

Memorandum

To: Assistant District Manager Minerals, Vernal District

From: Michael Coulthard, Petroleum Engineer

Subject: 2008 Plan of Development Jonah Unit, Duchesne County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2008 within the Jonah Unit, Duchesne County, Utah.

API #	WELL NAME	LOCATION

(Proposed PZ Green River)

43-013-34119 Jonah Federal T-1-9-16 Sec 01 T09S R16E 1969 FSL 0646 FEL
BHL Sec 01 T09S R16E 1235 FSL 0170 FEL

43-013-34120 Jonah Federal X-6-9-17 Sec 07 T09S R17E 1107 FNL 2230 FWL
BHL Sec 06 T09S R17E 0040 FSL 1465 FWL

We have no objections to permitting the wells so long as the unit operator receives an exception to the locating and siting requirements of the State of Utah (R649-3-2).

/s/ Michael L. Coulthard

bcc: File – Jonah Unit
Division of Oil Gas and Mining
Central Files
Agr. Sec. Chron
Fluid Chron

MCoulthard:mc:10-24-08

NEWFIELD
ROCKY MOUNTAINS

October 31, 2008

State of Utah, Division of Oil, Gas and Mining
ATTN: Diana Mason
PO Box 145801
Salt Lake City, UT 84114-5801

RE: Directional Drilling
Jonah Federal X-6-9-17
Jonah Unit
UTU-72086A
Surface Hole: T9S R17E, Section 7: NENW
1107' FNL 2230' FWL
Bottom Hole: T9S R17E, Section 6
40' FSL 1465' FWL
Duchesne County, Utah

Dear Ms. Mason;

Pursuant to the filing of Newfield Production Company's ("NPC") Application for Permit to Drill dated September 18, 2008, a copy of which is attached, for the above referenced well, and in accordance with Oil and Gas Conservation Rule R649-3-11, NPC hereby submits this letter as notice of our intention to directionally drill this well.

The surface hole location and bottom hole location of this well are both within the boundaries of the Jonah Unit UTU-72086A. Newfield certifies that it is the Jonah Unit Operator and all lands within 460 feet of the entire directional well bore are within the Jonah Unit.

NPC is permitting this well as a directional well in order to minimize surface disturbance. By directionally drilling from the referenced surface location, NPC will be able to utilize the existing roads and pipelines in this area.

NPC hereby requests our application for permit to drill be granted pursuant to R649-3-11. If you have any questions or require further information, please do not hesitate to contact the undersigned at 303-382-4444 or by email at reveland@newfield.com . Your consideration of this matter is greatly appreciated.

Sincerely,

Roxann Eveland

Roxann Eveland
Land Associate

Form 3160-3
(September 2001)

FORM APPROVED
OMB No. 1004-0136
Expires January 31, 2004

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No.: UTU-020252A

6. If Indian, Allottee or Tribe Name: N/A

1a. Type of Work: [x] DRILL [ ] REENTER

7. If Unit or CA Agreement, Name and No.: Jonah Unit

1b. Type of Well: [x] Oil Well [ ] Gas Well [ ] Other [x] Single Zone [ ] Multiple Zone

8. Lease Name and Well No.: Jonah Federal X-6-9-17

2. Name of Operator: Newfield Production Company

9. API Well No.:

3a. Address: Route #3 Box 3630, Myton UT 84052

3b. Phone No. *(include area code)*: (435) 646-3721

10. Field and Pool, or Exploratory: Monument Butte

4. Location of Well *(Report location clearly and in accordance with any State requirements.*)*

At surface: NE/NW 1107' FNL 2230' FWL Sec. 7, T9S R17E

At proposed prod. zone: 40' FSL 1465' FWL Sec. 6, T9S R17E

11. Sec., T., R., M., or Blk. and Survey or Area: Sec. 7, T9S R17E

14. Distance in miles and direction from nearest town or post office*: Approximatley 15.2 miles southeast of Myton, Utah

12. County or Parish: Duchesne

13. State: UT

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any): Approx. 40' f/lse, 2680' f/unit

16. No. of Acres in lease: 637.35

17. Spacing Unit dedicated to this well: 20 Acres

18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.: Approx. 1703'

19. Proposed Depth: 6025'

20. BLM/BIA Bond No. on file: WYB000493

21. Elevations (Show whether DF, KDB, RT, GL, etc.): 5323' GL

22. Approximate date work will start*: 1st Quarter 2009

23. Estimated duration: Approximately seven (7) days from spud to rig release.

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification.
6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature: Mandie Crozier | Name *(Printed/Typed)*: Mandie Crozier | Date: 9/18/08

Title: Regulatory Specialist

Approved by *(Signature)* | Name *(Printed/Typed)* | Date

Title | Office

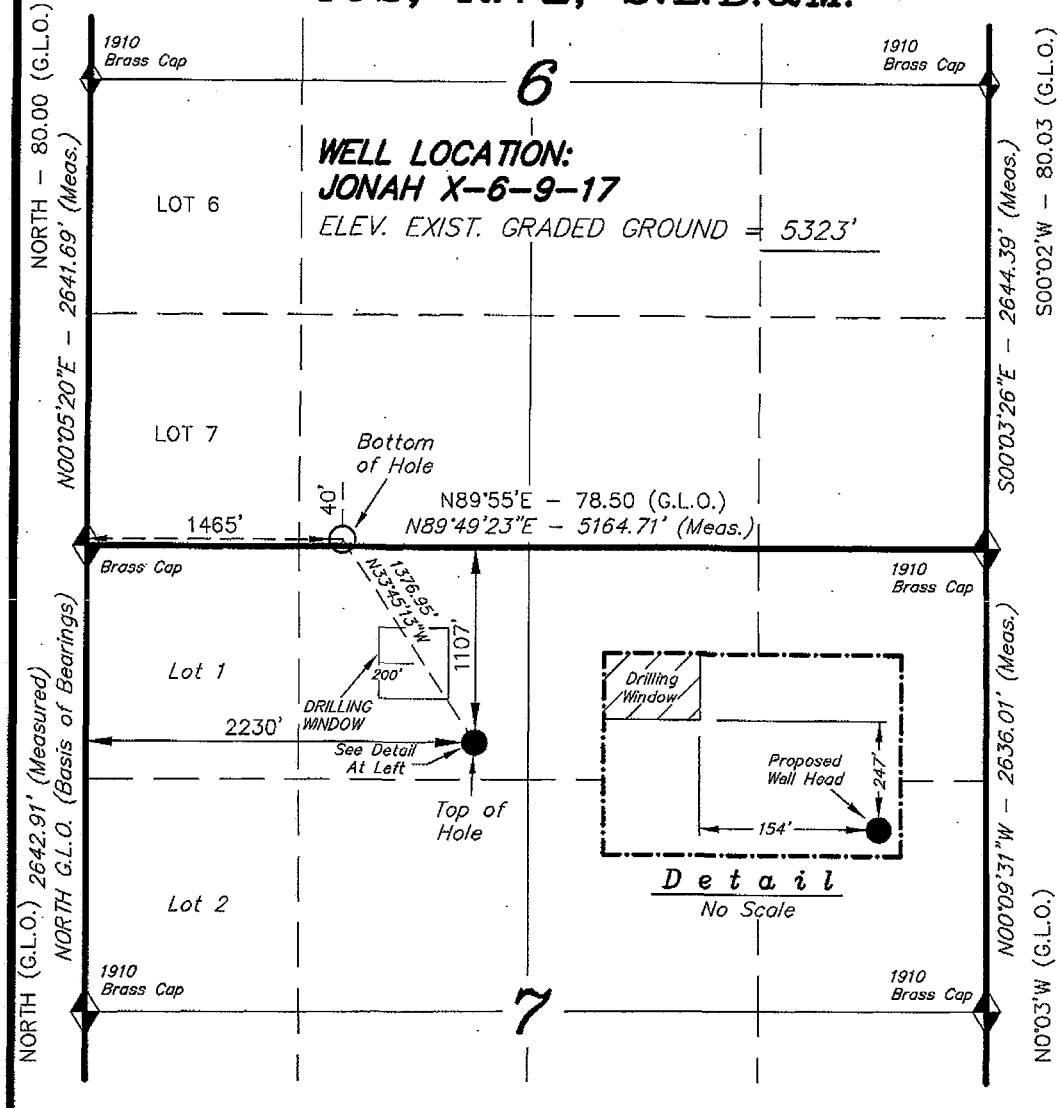
Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**(Instructions on reverse)*

RECEIVED
NOV 0 5 2008
DIV. OF OIL, GAS & MINING

T9S, R17E, S.L.B.&M.



◆ = SECTION CORNERS LOCATED

BASIS OF ELEV;
U.S.G.S. 7-1/2 min QUAD (MYTON SE)

JONAH X-6-9-17
(Surface Location) NAD 83
LATITUDE = 40° 02' 58.47"
LONGITUDE = 110° 03' 01.38"

NEWFIELD PRODUCTION COMPANY

WELL LOCATION, JONAH X-6-9-17, LOCATED AS SHOWN IN THE NE 1/4 NW 1/4 OF SECTION 7, T9S, R17E, S.L.B.&M. DUCHESNE COUNTY, UTAH.

1000' 500' 0' 1000'
BAR SCALE

N

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR No.189377 STATE OF UTAH

STACY W. STEWART
REGISTERED LAND SURVEYOR
REGISTRATION No. 189377
STATE OF UTAH

TRI STATE LAND SURVEYING & CONSULTING
180 NORTH VERNAL AVE. - VERNAL, UTAH 84078
(435) 781-2501

DATE SURVEYED: 06-11-08	SURVEYED BY: T.H.
DATE DRAWN: 06-13-08	DRAWN BY: F.T.M.
REVISED:	SCALE: 1" = 1000'

JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

State of Utah
DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

November 5, 2008

Newfield Production Company
Rt. #3, Box 3630
Myton, UT 84052

Re: Jonah Federal X-6-9-17 Well, Surface Location 1107' FNL, 2230' FWL, NE NW, Sec. 7, T. 9 South, R. 17 East, Bottom Location 40' FSL, 1465' FWL, SE SW, Sec. 6, T. 9 South, R. 17 East, Duchesne County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann.§ 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-34120.

Sincerely,

Gil Hunt
Associate Director

pab
Enclosures

cc: Duchesne County Assessor
Bureau of Land Management, Vernal Field Office

1594 West North Temple, Suite 1210, PO Box 145801, Salt Lake City, UT 84114-5801
telephone (801) 538-5340 • facsimile (801) 359-3940 • TTY (801) 538-7458 • *www.ogm.utah.gov*

UTAH DNR OIL, GAS & MINING

Operator: Newfield Production Company

Well Name & Number Jonah Federal X-6-9-17

API Number: 43-013-34120

Lease: UTU-020252A

Surface Location:	NE NW	**Sec.** 7	**T.** 9 South	**R.** 17 East
Bottom Location:	SE SW	**Sec.** 6	**T.** 9 South	**R.** 17 East

Conditions of Approval

1. **General**

   Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. **Notification Requirements**

   Notify the Division within 24 hours of spudding the well.

   - Contact Carol Daniels at (801) 538-5284

   Notify the Division prior to commencing operations to plug and abandon the well.

   - Contact Dustin Doucet at (801) 538-5281 (801) 733-0983 home

3. **Reporting Requirements**

   All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.

5. In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

RECEIVED

OCT 2 1 2008

BLM

Form 3160-3
(September 2001)

FORM APPROVED
OMB No. 1004-0136
Expires January 31, 2004

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No.: UTU-020252A

6. If Indian, Allottee or Tribe Name: N/A

1a. Type of Work: [x] DRILL [ ] REENTER

7. If Unit or CA Agreement, Name and No.: Jonah Unit

1b. Type of Well: [x] Oil Well [ ] Gas Well [ ] Other [x] Single Zone [ ] Multiple Zone

8. Lease Name and Well No.: Jonah Federal X-6-9-17

2. Name of Operator: Newfield Production Company

9. API Well No.: 43-013-34120

3a. Address: Route #3 Box 3630, Myton UT 84052

3b. Phone No. *(include area code)*: (435) 646-3721

10. Field and Pool, or Exploratory: Monument Butte

4. Location of Well *(Report location clearly and in accordance with any State requirements.*)*

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At proposed prod. zone: 40' FSL 1465' FWL Sec. 6, T9S R17E

11. Sec., T., R., M., or Blk. and Survey or Area: Sec. 7, T9S R17E

14. Distance in miles and direction from nearest town or post office*: Approximatley 15.2 miles southeast of Myton, Utah

12. County or Parish: Duchesne

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16. No. of Acres in lease: 637.35

17. Spacing Unit dedicated to this well: 20 Acres

18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.: Approx. 1703'

19. Proposed Depth: 6025'

20. BLM/BIA Bond No. on file: WYB000493

21. Elevations (Show whether DF, KDB, RT, GL, etc.): 5323' GL

22. Approximate date work will start*: 1st Quarter 2009

23. Estimated duration: Approximately seven (7) days from spud to rig release.

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification.
6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature: Mandie Crozier — Name *(Printed/Typed)*: Mandie Crozier — Date: 9/18/08

Title: Regulatory Specialist

Approved by *(Signature)*: Jerry Kenczka — Name *(Printed/Typed)*: Jerry Kenczka — Date: MAR 26 2009

Title: Assistant Field Manager Lands & Mineral Resources — Office: VERNAL FIELD OFFICE

Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

NOS 7-8-08

AFMSS# 08PP0971A

RECEIVED

APR 20 2009

DIV. OF OIL, GAS & MINING

UDOGM

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
VERNAL FIELD OFFICE
170 South 500 East VERNAL, UT 84078 (435) 781-4400

CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company:	Newfield Production Company	Location:	NENW, Sec.7,T9S,R17E
Well No:	Jonah Federal X-6-9-17	Lease No:	UTU-020252A
API No:	43-013-34120	Agreement:	Jonah Unit

Title	Name	Office Phone Number	Cell Phone Number
Petroleum Engineer:	Matt Baker	(435) 781-4490	(435) 828-4470
Petroleum Engineer:	Michael Lee	(435) 781-4432	(435) 828-7875
Petroleum Engineer:	Ryan Angus	(435) 781-4430	(435) 828-7368
Supervisory Petroleum Technician:	Jamie Sparger	(435) 781-4502	(435) 828-3913
Supervisory NRS:	Karl Wright	(435) 781-4484	
NRS/Enviro Scientist:	Holly Villa	(435) 781-4404	(435) 828-3544
NRS/Enviro Scientist:	James Hereford	(435) 781-3412	(435) 828-3546
NRS/Enviro Scientist:	Chuck Macdonald	(435) 781-4441	(435) 828-7481
NRS/Enviro Scientist:	Dan Emmett	(435) 781-3414	(435) 828-4029
NRS/Enviro Scientist:	Paul Percival	(435) 781-4493	(435) 828-7381
NRS/Enviro Scientist:	Anna Figueroa	(435) 781-3407	(435) 828-3548
NRS/Enviro Scientist:	Verlyn Pindell	(435) 781-3402	(435) 828-3547
NRS/Enviro Scientist:	Nathan Packer	(435) 781-3405	(435) 828-3545
NRS/Enviro Scientist:	David Gordon	(435) 781-4424	
NRS/Enviro Scientist:	Christine Cimiluca	(435) 781-4475	
NRS/Enviro Scientist:	Lori Ford	(435) 781-4406	

Fax: (435) 781-3420

A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR FIELD REPRESENTATIVE TO INSURE COMPLIANCE

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

NOTIFICATION REQUIREMENTS

Location Construction (Notify Environmental Scientist)	-	Forty-Eight (48) hours prior to construction of location and access roads.
Location Completion (Notify Environmental Scientist)	-	Prior to moving on the drilling rig.
Spud Notice (Notify Petroleum Engineer)	-	Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to running casing and cementing all casing strings.
BOP & Related Equipment Tests (Notify Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify Petroleum Engineer)	-	Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

SURFACE USE PROGRAM
CONDITIONS OF APPROVAL (COAs)

- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.

- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer (AO). A determination will be made by the AO as to what mitigation may be necessary for the discovered paleontologic material before construction can continue.

SITE SPECIFIC CONDITIONS OF APPROVAL

- Within 90 calendar days of the approval date for this Application for Permit to Drill (APD), the operator/lessee shall submit to the Authorized Officer (AO), on Sundry Notice Form 3160-5, an Interim/Final Surface Reclamation Plan for surface disturbance on well pads, access roads, and pipelines. At a minimum, this will include the reshaping of the pad to the original contour to the extent possible; the respreading of the top soil up to the rig anchor points; and, the area reseeded using appropriate reclamation methods. The AO will provide written approval or concurrence within 30 calendar days of receipt.

Interim Reclamation:

The topsoil from the reserve pit shall be stripped and piled separately near the reserve pit. When the reserve pit is closed, it shall be recontoured and the topsoil respread, and the area shall be **seeded using a rangeland drill**. Seeding depth as per AO, or seed distributor. If portions of the site are too steep (>40%), or rocky, that portion may be broadcast seeded. If broadcasting seed, the seed shall be walked into the soil with a dozer immediately after the seeding is completed, or covered by soil using a drag chain. Seeding shall occur in the fall (August 1st until snow or ground is frozen) with the following seed mix:

Seed mix:

Common name	Latin name	lbs/acre	Recommended seed planting depth
Forage Kochia	*Kochia prostrata*	0.20	½"
Squirreltail grass	*Elymus elymoides*	3.0	¼ - ½"
Siberian wheatgrass	*Agropyron fragile*	1.0	½"
Shadscale saltbush	*Atriplex confertifolia*	0.50	½"
Four-wing saltbush	*Atriplex canescens*	0.50	½"
Gardner's saltbush	*Atriplex gardneri*	0.50	½"
Scarlet globemallow	*Sphaeralcea coccinea*	0.10	⅛ – ¼"

- All pounds are pure live seed.
- All seed and mulch will be certified weed free.
- Rates are set for drill seeding; double rate if broadcasting.
- Reseeding may be required if initial seeding is not successful.

Final reclamation:

Once the location is plugged and abandoned, the well location, access, and any disturbed areas shall be recontoured to natural topography, topsoil shall be respread, and the entire location shall be seeded following guidelines in the seed mix bullet statement above. Final seed mix: same as interim unless otherwise instructed.

- Noxious and/or invasive weeds will be controlled along access roads, pipelines, well sites, and all other applicable facilities. Any noxious and/or invasive weeds outbreak, directly attributed to the activities of the Operator, will be the responsibility of the Operator to control. On BLM administered land, a Pesticide Use Proposal (PUP) must be submitted and approved prior to the application of herbicides, pesticides, or other possibly hazardous chemicals.

- The topsoil from the reserve pit shall be stripped and piled separately near the reserve pit. When the reserve pit is closed, it shall be recontoured and the topsoil respread, and the area shall be seeded in the same manner as the location topsoil.

- Once the location is plugged and abandoned, it shall be recontoured to natural topology, topsoil shall be respread, and the entire location shall be seeded with a seed mix recommended by the AO (see above). Seed application will follow all guidelines in the interim seed mix bullet statement above. If reclamation seeding should take place using the broadcast method, the seed at a minimum will be walked into the soil with a dozer immediately after the seeding is completed.

DOWNHOLE PROGRAM
CONDITIONS OF APPROVAL (COAs)

SITE SPECIFIC DOWNHOLE COAs:

- A copy of Newfield's Standard Operating Practices (SOP version: dated 4/18/08 and approved 5/12/08) shall be on location.

- Drilling plan specifics and practices are referenced in the Newfield Standard Operating Procedures (SOP version: April 18, 2008). The operators drilling plan items 4 to 8 reference the SOP. Newfield shall adhere to the referenced requirements in the SOP.
  Newfield and their contractors shall adhere to all Oil and Gas rules and requirements listed in the Code of Federal Regulations and all Federal Onshore Oil and Gas Orders except where variances have been granted.

- Production casing cement shall be brought up and into the surface.

- Covering air/gas drilling operations, requirements will be adhered to covering air/gas drilling operations as described in Onshore Order #2 III. E. 1. Drilling Operations, Special Drilling Operations, air/gas drilling.

- Logging: A Gamma Ray well Log shall be run from the well Total Depth to the surface.
  A copy of the Gamma Ray well Log shall be submitted to the BLM Vernal Field Office.

- A copy of the as drilled directional survey shall be submitted to the BLM Vernal Field Office.

- Well location TD bottom footage hole location information on the completion form 3160-4 Well Completion or Recompletion Report and Log should match and be in agreement with the from the actual drilling directional survey well departure values for the TD bottom hole location.

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.

- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.

- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.

- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.

- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil &

Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.

- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.

- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.

- No aggressive/fresh hard-banded drill pipe shall be used within casing.

- **Cement baskets shall not be run on surface casing.**

- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.

- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.

- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.

- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.

- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.

- **Please submit an electronic copy of all other logs run on this well in LAS format to UT_VN_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**

- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.

- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.

- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:

    - Operator name, address, and telephone number.
    - Well name and number.
    - Well location (¼¼, Sec., Twn, Rng, and P.M.).
    - Date well was placed in a producing status (date of first production for which royalty will be paid).
    - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
    - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
    - Unit agreement and/or participating area name and number, if applicable.
    - Communitization agreement number, if applicable.

- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.

- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.

- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or

data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.

- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.

- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.

- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.

- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.

- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.

- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

API Well No: 43013341200000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-020252A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: JONAH (GRRV)

1. TYPE OF WELL Oil Well

8. WELL NAME and NUMBER: JONAH FED X-6-9-17

2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY

9. API NUMBER: 43013341200000

3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052

PHONE NUMBER: 435 646-4825 Ext

9. FIELD and POOL or WILDCAT: MONUMENT BUTTE

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 1107 FNL 2230 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENW Section: 07 Township: 09.0S Range: 17.0E Meridian: S

COUNTY: DUCHESNE

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 10/30/2009	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	✓ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Newfield requests to extend the permit to drill this well for one more year.

Approved by the Utah Division of Oil, Gas and Mining

Date: November 03, 2009

By: Dustin Doucet

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Mandie Crozier	435 646-4825	Regulatory Tech
SIGNATURE N/A		**DATE** 10/30/2009

RECEIVED October 30, 2009

The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43013341200000

API: 43013341200000
Well Name: JONAH FED X-6-9-17
Location: 1107 FNL 2230 FWL QTR NENW SEC 07 TWNP 090S RNG 170E MER S
Company Permit Issued to: NEWFIELD PRODUCTION COMPANY
Date Original Permit Issued: 11/5/2008

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

- **If located on private land, has the ownership changed, if so, has the surface agreement been updated?** ○ **Yes** ◉ **No**
- **Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location?** ○ **Yes** ◉ **No**
- **Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well?** ○ **Yes** ◉ **No**
- **Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location?** ○ **Yes** ◉ **No**
- **Has the approved source of water for drilling changed?** ○ **Yes** ◉ **No**
- **Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation?** ○ **Yes** ◉ **No**
- **Is bonding still in place, which covers this proposed well?** ◉ **Yes** ○ **No**

Approved by the Utah Division of Oil, Gas and Mining

Signature: Mandie Crozier **Date:** 10/30/2009
Title: Regulatory Tech **Representing:** NEWFIELD PRODUCTION COMPANY

Date: November 03, 2009

By: Dustin Doucet

RECEIVED October 30, 2009

Form 3160-4
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.: UTU-44426

1a. Type of Well: ☑ Oil Well ☐ Gas Well ☐ Dry ☐ Other
b. Type of Completion: ☑ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.,
Other: _____

6. If Indian, Allottee or Tribe Name:

7. Unit or CA Agreement Name and No.: GMBU

2. Name of Operator: NEWFIELD EXPLORATION COMPANY

8. Lease Name and Well No.: JONAH X-6-9-17

3. Address: 1401 17TH ST. SUITE 1000 DENVER, CO 80202

3a. Phone No. *(include area code)*: (435)646-3721

9. AFI Well No.: 43-013-34120

4. Location of Well *(Report location clearly and in accordance with Federal requirements)**

At surface: 1107' FNL & 2230' FWL (NE/NW) SEC. 7, T9S, R17E (UTU-44426)

10. Field and Pool or Exploratory: MONUMENT BUTTE

11. Sec., T., R., M., on Block and Survey or Area: SEC. 7, T9S, R17E

At top prod. interval reported below: 275' FNL & 1672' FWL (NE/NW) SEC. 7, T9S, R17E (UTU-44426)

At total depth: 233' FSL & 1334' FWL (SE/SW) SEC. 6, T9S, R17E (UTU-020252A)

12. County or Parish: DUCHESNE

13. State: UT

14. Date Spudded	15. Date T.D. Reached	16. Date Completed	17. Elevations (DF, RKB, RT, GL)*
02/20/2010	03/04/2010	☐ D & A ☑ Ready to Prod. 04/08/2010	5323' GL 5335' KB

18. Total Depth:	19. Plug Back T.D.:	20. Depth Bridge Plug Set:
MD 6250' TVD 5989'	MD 6145' TVD 5895'	MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
DUAL IND GRD, SP, COMP. DENSITY, COMP. NEUTRON, GR, CALIPER, CMT BOND

22. Was well cored? ☑ No ☐ Yes (Submit analysis)
Was DST run? ☑ No ☐ Yes (Submit report)
Directional Survey? ☐ No ☑ Yes (Submit copy)

23. Casing and Liner Record *(Report all strings set in well)*

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12-1/4"	8-5/8" J-55	24#	0	320'		160 CLASS G			
7-7/8"	5-1/2" J-55	15.5#	0	6249'		275 PRIMLITE		30'	
						400 50/50 POZ			

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2-7/8"	EOT@ 5842'	TA @ 5743'						

25. Producing Intervals / 26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Green River			5691-5766' CP.5 CP1	.36"	3	24
B) Green River			5281-5359' A1 A3	.36"	3	36
C) Green River			4973-5140' C B1 B2	.36"	3	39
D) Green River			4850-4855' D2	.36"	3	15

27. Acid, Fracture, Treatment, Cement Squeeze, etc.

Depth Interval	Amount and Type of Material
5691-5766'	Frac w/ 20274#'s 20/40 sand in 179 bbls of Lightning 17 fluid. (CP.5 CP1)
5281-5359'	Frac w/ 50107#'s 20/40 sand in 327 bbls of Lightning 17 fluid. (A1 A3)
4973-5140'	Frac w/ 60034#'s 20/40 sand in 377 bbls of Lightning 17 fluid. (C B1 B2)
4850-4855'	Frac w/ 20393#'s 20/40 sand in 167 bbls of Lightning 17 fluid. (D2)

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
4-1-10	4-19-10	24	→	473	0	123			2-1/2" x 1-3/4" x 20' x 24' RHAC Pump

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status
			→					PRODUCING

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status
			→					

*(See instructions and spaces for additional data on page 2)

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APR 29 2010
DIV. OF OIL, GAS & MINING

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status

29. Disposition of Gas *(Solid, used for fuel, vented, etc.)*

USED FOR FUEL

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

GEOLOGICAL MARKERS

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
				GARDEN GULCH MRK	3744'
				GARDEN GULCH 1	3942'
				GARDEN GULCH 2	4066'
				POINT 3	4342'
				X MRKR	4610'
				Y MRKR	4648'
				DOUGALS CREEK MRK	4784'
				BI CARBONATE MRK	5043'
				B LIMESTON MRK	5173'
				CASTLE PEAK	5664'
				BASAL CARBONATE	6122'

32. Additional remarks (include plugging procedure):

Stage 5: Green River Formation (GB4 & GB6) 4238-4311', .36" 3/39 Frac w/ 139308#'s of 20/40 sand in 8500 bbls of Lightning 17 fluid

33. Indicate which items have been attached by placing a check in the appropriate boxes:

☐ Electrical/Mechanical Logs (1 full set req'd.) ☐ Geologic Report ☐ DST Report ☑ Directional Survey

☐ Sundry Notice for plugging and cement verification ☐ Core Analysis ☑ Other: Drilling Daily Activity

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name *(please print)* Lucy Chavez-Naupoto Title Administrative Assistant

Signature Date 04/26/2010

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on page 3)

NEWFIELD

NEWFIELD EXPLORATION

USGS Myton SW (UT)
SECTION 7 T9S, R17E
X-6-9-17

Wellbore #1

Design: Actual

Standard Survey Report

26 April, 2010

HATHAWAY HB BURNHAM
DIRECTIONAL & MWD SERVICES

NEWFIELD

HATHAWAY BURNHAM
Survey Report

HATHAWAY BURNHAM
DIRECTIONAL & MWD SERVICES

Company:	NEWFIELD EXPLORATION	**Local Co-ordinate Reference:**	Well X-6-9-17
Project:	USGS Myton SW (UT)	**TVD Reference:**	WELL @ 5335.0ft (NEWFIELD RIG)
Site:	SECTION 7 T9S, R17E	**MD Reference:**	WELL @ 5335.0ft (NEWFIELD RIG)
Well:	X-6-9-17	**North Reference:**	True
Wellbore:	Wellbore #1	**Survey Calculation Method:**	Minimum Curvature
Design:	Actual	**Database:**	EDM 2003.21 Single User Db

Project	USGS Myton SW (UT), DUCHESNE COUNTY, UT, USA		
Map System:	US State Plane 1983	**System Datum:**	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Utah Central Zone		

Site	SECTION 7 T9S, R17E, SEC 7 T9S, R17E				
Site Position:		**Northing:**	7,188,503.00 ft	**Latitude:**	40° 2' 42.929 N
From:	Lat/Long	**Easting:**	2,046,559.00 ft	**Longitude:**	110° 2' 57.037 W
Position Uncertainty:	0.0 ft	**Slot Radius:**	"	**Grid Convergence:**	0.93 °

Well	X-6-9-17, SHL: LAT 40 02 58.47 LONG -110 03 01.38					
Well Position	**+N/-S**	0.0 ft	**Northing:**	7,190,069.78 ft	**Latitude:**	40° 2' 58.470 N
	+E/-W	0.0 ft	**Easting:**	2,046,195.80 ft	**Longitude:**	110° 3' 1.380 W
Position Uncertainty		0.0 ft	**Wellhead Elevation:**	5,312.0 ft	**Ground Level:**	5,323.0 ft

Wellbore	Wellbore #1				
Magnetics	**Model Name**	**Sample Date**	**Declination (°)**	**Dip Angle (°)**	**Field Strength (nT)**
	IGRF200510	2009/12/31	11.48	65.85	52,451

Design	Actual				
Audit Notes:					
Version:	1.0	**Phase:**	ACTUAL	**Tie On Depth:**	0.0
Vertical Section:	**Depth From (TVD) (ft)**	**+N/-S (ft)**	**+E/-W (ft)**	**Direction (°)**	
	0.0	0.0	0.0	326.25	

Survey Program **Date** 2010/04/26

From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
421.0	6,240.0	Survey #1 (Wellbore #1)	MWD	MWD - Standard

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
421.0	0.09	236.97	421.0	-0.2	-0.3	0.0	0.02	0.02	0.00
452.0	0.20	301.91	452.0	-0.2	-0.3	0.1	0.58	0.35	209.48
482.0	0.37	320.72	482.0	-0.1	-0.4	0.2	0.64	0.57	62.70
513.0	0.48	334.08	513.0	0.1	-0.6	0.4	0.48	0.35	43.10
543.0	0.81	319.80	543.0	0.4	-0.8	0.8	1.22	1.10	-47.60
574.0	1.27	325.43	574.0	0.9	-1.1	1.3	1.52	1.48	18.16
605.0	1.67	330.13	605.0	1.5	-1.5	2.1	1.35	1.29	15.16
635.0	2.18	332.11	635.0	2.4	-2.0	3.1	1.71	1.70	6.60
666.0	2.77	332.72	665.9	3.6	-2.6	4.5	1.91	1.90	1.97
697.0	3.10	336.68	696.9	5.0	-3.3	6.0	1.25	1.06	12.77
727.0	3.65	339.03	726.8	6.7	-4.0	7.7	1.89	1.83	7.83
757.0	3.98	336.13	756.8	8.5	-4.7	9.7	1.27	1.10	-9.67

Company:	NEWFIELD EXPLORATION	**Local Co-ordinate Reference:**	Well X-6-9-17
Project:	USGS Myton SW (UT)	**TVD Reference:**	WELL @ 5335.0ft (NEWFIELD RIG)
Site:	SECTION 7 T9S, R17E	**MD Reference:**	WELL @ 5335.0ft (NEWFIELD RIG)
Well:	X-6-9-17	**North Reference:**	True
Wellbore:	Wellbore #1	**Survey Calculation Method:**	Minimum Curvature
Design:	Actual	**Database:**	EDM 2003.21 Single User Db

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
788.0	4.57	336.96	787.7	10.6	-5.6	12.0	1.91	1.90	2.68
818.0	4.92	334.87	817.6	12.9	-6.7	14.4	1.30	1.17	-6.97
849.0	5.58	335.53	848.5	15.5	-7.8	17.2	2.14	2.13	2.13
880.0	6.35	333.31	879.3	18.4	-9.2	20.4	2.59	2.48	-7.16
911.0	6.75	330.30	910.1	21.5	-10.9	23.9	1.70	1.29	-9.71
943.0	7.36	330.48	941.8	24.9	-12.9	27.9	1.91	1.91	0.56
974.0	7.65	329.93	972.6	28.4	-14.9	31.9	0.96	0.94	-1.77
1,006.0	8.06	329.51	1,004.3	32.2	-17.1	36.3	1.29	1.28	-1.31
1,038.0	8.64	326.70	1,035.9	36.1	-19.5	40.9	2.22	1.81	-8.78
1,069.0	9.07	327.75	1,066.6	40.2	-22.1	45.7	1.48	1.39	3.39
1,101.0	9.51	327.58	1,098.1	44.5	-24.9	50.8	1.38	1.38	-0.53
1,133.0	9.82	325.60	1,129.7	49.0	-27.8	56.2	1.42	0.97	-6.19
1,165.0	10.28	324.74	1,161.2	53.6	-31.0	61.8	1.51	1.44	-2.69
1,196.0	10.61	326.44	1,191.7	58.2	-34.2	67.4	1.46	1.06	5.48
1,228.0	11.14	326.33	1,223.1	63.3	-37.5	73.4	1.66	1.66	-0.34
1,260.0	11.27	325.91	1,254.5	68.4	-41.0	79.7	0.48	0.41	-1.31
1,291.0	11.67	326.48	1,284.9	73.5	-44.4	85.8	1.34	1.29	1.84
1,323.0	12.06	326.63	1,316.2	79.0	-48.1	92.4	1.22	1.22	0.47
1,355.0	12.22	327.05	1,347.5	84.7	-51.7	99.1	0.57	0.50	1.31
1,387.0	12.52	326.41	1,378.7	90.4	-55.5	106.0	1.03	0.94	-2.00
1,419.0	12.79	327.38	1,410.0	96.3	-59.3	113.0	1.07	0.84	3.03
1,451.0	13.31	327.53	1,441.1	102.4	-63.2	120.2	1.63	1.63	0.47
1,482.0	13.91	328.02	1,471.3	108.5	-67.1	127.5	1.97	1.94	1.58
1,514.0	14.22	326.85	1,502.3	115.1	-71.3	135.3	1.31	0.97	-3.66
1,546.0	14.48	325.73	1,533.3	121.7	-75.7	143.2	1.19	0.81	-3.50
1,577.0	14.61	324.81	1,563.3	128.1	-80.1	151.0	0.86	0.42	-2.97
1,609.0	15.01	324.46	1,594.3	134.7	-84.9	159.2	1.28	1.25	-1.09
1,641.0	15.27	323.54	1,625.1	141.5	-89.8	167.5	1.11	0.81	-2.88
1,673.0	15.14	323.30	1,656.0	148.2	-94.8	175.9	0.45	-0.41	-0.75
1,704.0	15.36	324.72	1,685.9	154.8	-99.6	184.1	1.40	0.71	4.58
1,736.0	15.45	323.87	1,716.8	161.7	-104.5	192.6	0.76	0.28	-2.66
1,768.0	15.51	324.44	1,747.6	168.7	-109.5	201.1	0.51	0.19	1.78
1,799.0	15.47	325.03	1,777.5	175.4	-114.3	209.4	0.52	-0.13	1.90
1,831.0	15.82	325.60	1,808.3	182.5	-119.2	218.0	1.19	1.09	1.78
1,862.0	16.33	326.92	1,838.1	189.7	-124.0	226.6	2.02	1.65	4.26
1,894.0	17.12	328.08	1,868.7	197.4	-128.9	235.8	2.68	2.47	3.63
1,926.0	17.53	327.93	1,899.3	205.5	-134.0	245.3	1.29	1.28	-0.47
1,957.0	18.00	328.46	1,928.8	213.6	-139.0	254.8	1.60	1.52	1.71
1,989.0	18.39	328.98	1,959.2	222.1	-144.2	264.8	1.32	1.22	1.63
2,021.0	18.79	327.95	1,989.5	230.8	-149.5	274.9	1.62	1.25	-3.22
2,116.0	19.71	325.12	2,079.2	256.9	-166.8	306.3	1.38	0.97	-2.98
2,211.0	19.71	323.03	2,168.7	282.8	-185.6	338.3	0.74	0.00	-2.20
2,306.0	19.25	324.02	2,258.2	308.3	-204.4	369.9	0.60	-0.48	1.04
2,401.0	18.90	322.83	2,348.0	333.2	-222.9	400.9	0.55	-0.37	-1.25
2,496.0	18.37	324.99	2,438.0	357.8	-240.8	431.2	0.92	-0.56	2.27
2,591.0	17.91	326.72	2,528.3	382.2	-257.4	460.8	0.75	-0.48	1.82
2,686.0	18.59	330.35	2,618.5	407.6	-272.9	490.5	1.39	0.72	3.82
2,781.0	20.72	330.80	2,708.0	435.4	-288.6	522.4	2.25	2.24	0.47
2,877.0	21.03	329.09	2,797.7	465.0	-305.7	556.5	0.71	0.32	-1.78
2,972.0	20.09	327.45	2,886.6	493.4	-323.3	589.9	1.16	-0.99	-1.73
3,067.0	19.62	326.15	2,976.0	520.4	-340.9	622.1	0.68	-0.49	-1.37
3,162.0	19.73	327.01	3,065.5	547.1	-358.5	654.1	0.33	0.12	0.91
3,256.0	20.26	327.64	3,153.8	574.2	-375.9	686.2	0.61	0.56	0.67
3,351.0	20.31	325.59	3,242.9	601.7	-394.0	719.2	0.75	0.05	-2.16

NEWFIELD

HATHAWAY BURNHAM
Survey Report

HATHAWAY BURNHAM
DIRECTIONAL & MWD SERVICES

Company:	NEWFIELD EXPLORATION	**Local Co-ordinate Reference:**	Well X-6-9-17
Project:	USGS Myton SW (UT)	**TVD Reference:**	WELL @ 5335.0ft (NEWFIELD RIG)
Site:	SECTION 7 T9S, R17E	**MD Reference:**	WELL @ 5335.0ft (NEWFIELD RIG)
Well:	X-6-9-17	**North Reference:**	True
Wellbore:	Wellbore #1	**Survey Calculation Method:**	Minimum Curvature
Design:	Actual	**Database:**	EDM 2003.21 Single User Db

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
3,447.0	20.72	325.49	3,332.8	629.4	-413.0	752.8	0.43	0.43	-0.10
3,542.0	20.54	324.23	3,421.7	656.8	-432.3	786.3	0.50	-0.19	-1.33
3,637.0	18.90	321.39	3,511.1	682.3	-451.7	818.3	2.00	-1.73	-2.99
3,732.0	19.35	323.76	3,600.9	707.0	-470.6	849.3	0.94	0.47	2.49
3,828.0	18.74	322.37	3,691.6	732.1	-489.4	880.6	0.79	-0.64	-1.45
3,922.0	18.30	323.47	3,780.8	755.9	-507.4	910.4	0.60	-0.47	1.17
4,017.0	19.07	325.82	3,870.8	780.7	-525.0	940.8	1.13	0.81	2.47
4,112.0	18.74	328.28	3,960.6	806.6	-541.7	971.6	0.91	-0.35	2.59
4,208.0	18.11	328.39	4,051.7	832.4	-557.6	1,001.9	0.66	-0.66	0.11
4,303.0	18.63	326.44	4,141.9	857.6	-573.8	1,031.8	0.85	0.55	-2.05
4,398.0	18.39	325.62	4,232.0	882.6	-590.6	1,062.0	0.37	-0.25	-0.86
4,493.0	17.71	326.32	4,322.3	907.0	-607.1	1,091.4	0.75	-0.72	0.74
4,588.0	17.73	326.44	4,412.8	931.1	-623.1	1,120.3	0.04	0.02	0.13
4,683.0	18.19	329.95	4,503.2	956.0	-638.5	1,149.6	1.24	0.48	3.69
4,778.0	19.23	330.39	4,593.1	982.4	-653.7	1,180.0	1.10	1.09	0.46
4,873.0	18.59	326.99	4,683.0	1,008.7	-669.7	1,210.8	1.34	-0.67	-3.58
4,968.0	18.61	323.54	4,773.1	1,033.6	-686.9	1,241.0	1.16	0.02	-3.63
5,063.0	18.53	325.00	4,863.1	1,058.2	-704.6	1,271.3	0.50	-0.08	1.54
5,158.0	17.58	326.44	4,953.4	1,082.5	-721.2	1,300.7	1.10	-1.00	1.52
5,253.0	16.74	326.74	5,044.2	1,105.9	-736.6	1,328.7	0.89	-0.88	0.32
5,348.0	19.20	324.44	5,134.6	1,130.0	-753.2	1,358.0	2.69	2.59	-2.42
5,416.0	18.16	326.03	5,199.0	1,147.9	-765.6	1,379.8	1.71	-1.54	2.34
X-6-9-17 TGT									
5,444.0	17.73	326.74	5,225.6	1,155.1	-770.4	1,388.4	1.71	-1.52	2.53
5,540.0	17.47	328.79	5,317.1	1,179.6	-785.9	1,417.5	0.70	-0.27	2.14
5,635.0	17.23	328.98	5,407.8	1,203.9	-800.5	1,445.8	0.26	-0.25	0.20
5,729.0	18.24	329.80	5,497.3	1,228.5	-815.1	1,474.3	1.11	1.07	0.87
5,824.0	18.59	325.47	5,587.5	1,253.9	-831.2	1,504.3	1.49	0.37	-4.56
5,919.0	17.42	324.77	5,677.8	1,278.0	-848.0	1,533.7	1.25	-1.23	-0.74
6,014.0	15.73	323.12	5,768.9	1,299.9	-863.9	1,560.8	1.85	-1.78	-1.74
6,109.0	13.58	322.68	5,860.8	1,319.0	-878.4	1,584.7	2.27	-2.26	-0.46
6,195.0	11.62	319.29	5,944.7	1,333.6	-890.2	1,603.4	2.43	-2.28	-3.94
6,240.0	11.00	319.29	5,988.8	1,340.3	-895.9	1,612.2	1.38	-1.38	0.00

Checked By: _____ Approved By: _____ Date: _____

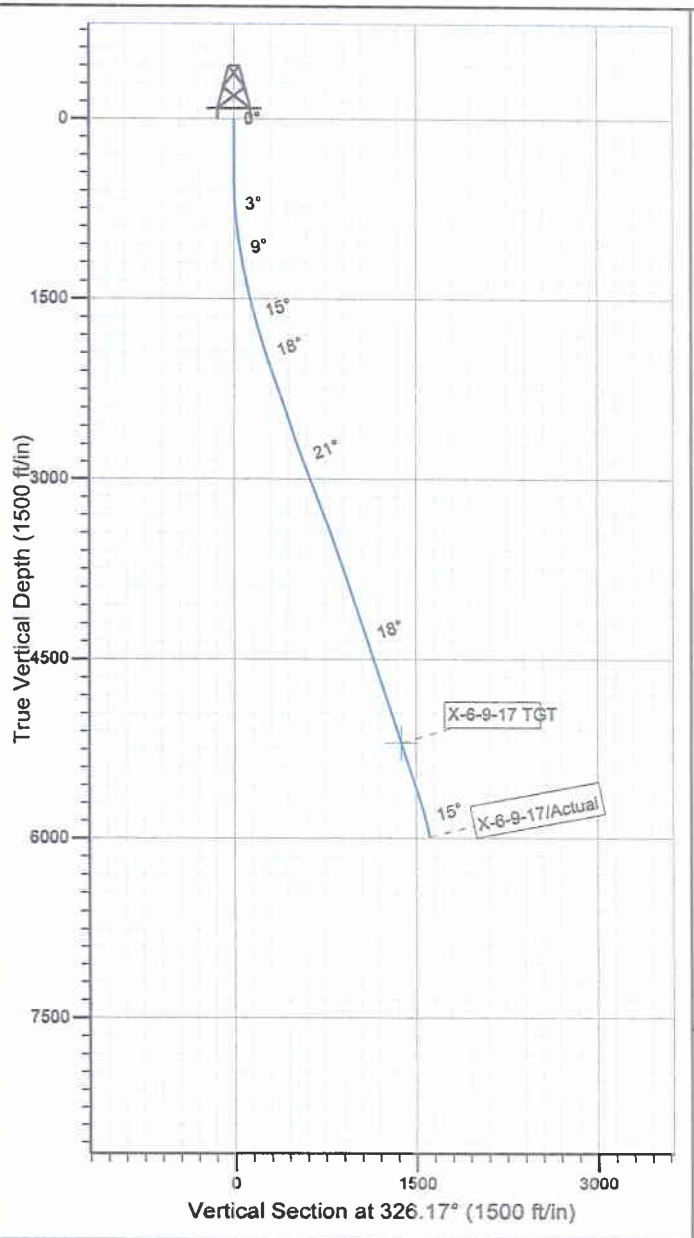
NEWFIELD

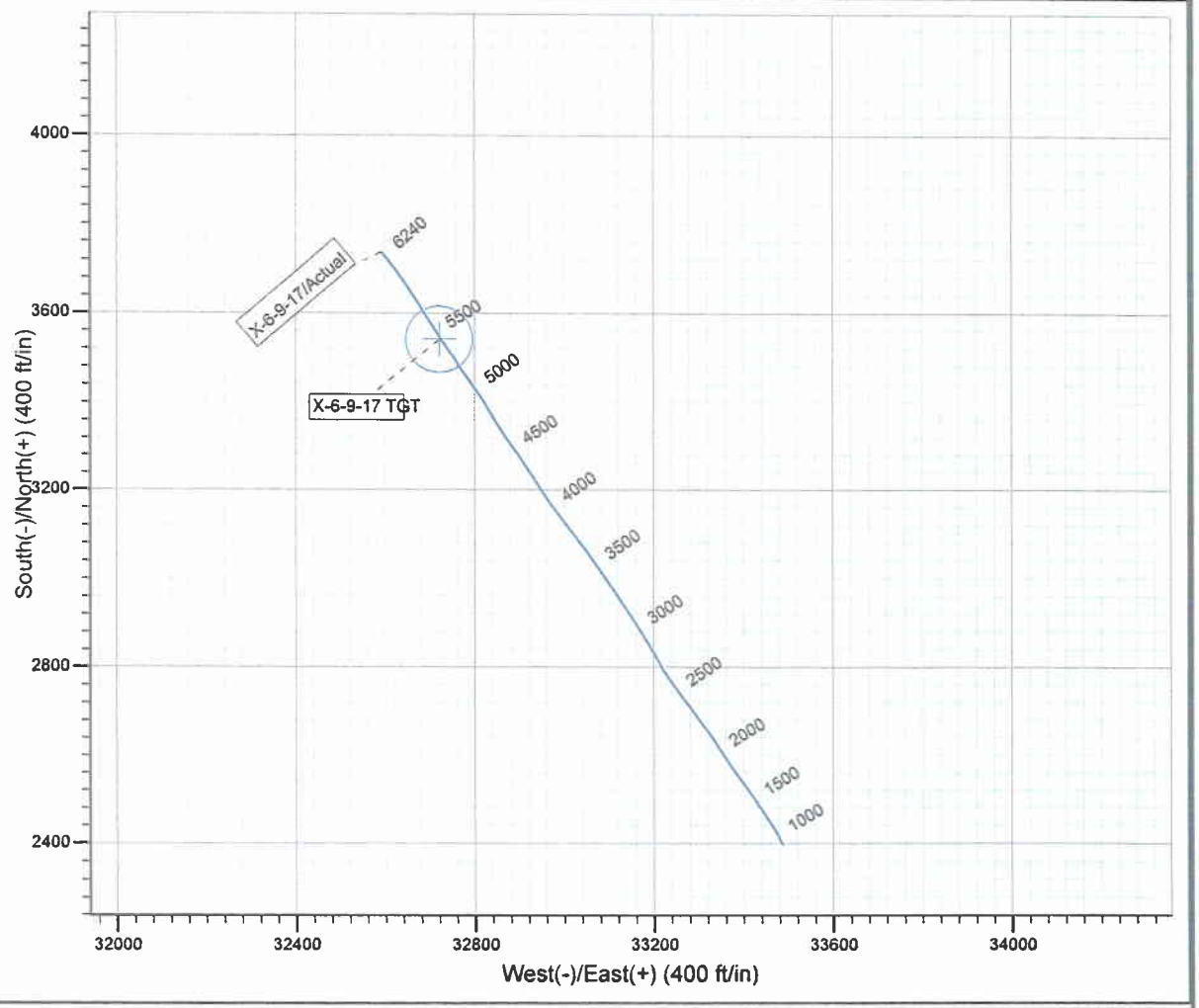
Project: USGS Myton SW (UT)
Site: SECTION 7
Well: X-6-9-17
Wellbore: Wellbore #1
SURVEY: Actual

FINAL SURVEY REPORT

Azimuths to True North
Magnetic North: 11.48°

Magnetic Field
Strength: 52451.5snT
Dip Angle: 65.85°
Date: 2009/12/31
Model: IGRF200510





HATHAWAY BURNHAM
DIRECTIONAL & MWD SERVICES

Design: Actual (X-6-9-17/Wellbore #1)

Created By: Jim hudson Date: 18:49, March 10 2010

THIS SURVEY IS CORRECT TO THE BEST OF MY KNOWLEDGE AND IS SUPPORTED BY ACTUAL FIELD DATA.

Daily Activity Report

Format For Sundry

JONAH X-6-9-17

12/1/2009 To 4/28/2010

JONAH X-6-9-17 **Waiting on Cement**

Date: 2/18/2010

Ross #29 at 320. Days Since Spud - On 2/23/10 Cemented 8 5/8" casing W/ BJ Services, Pumped 160 sks Mixed @ 15.8ppg W/ 1.17 - Yield Class "G" w/ 2%CaCl + .25# CelloFlake. Returned 3bbls Cement to Pit. - On 2/20/10 Ross Rig # 29 Spud the Jonah X-6-9-17 @ 8:00 AM Drilled 320' of 12 1/4" hole - Run 7 jts of 8 5/8" Csg (Guide shoe, shoe jt, baffle plate 6jts) Set @ 319.77'KB.

Daily Cost: $0

Cumulative Cost: $45,450

JONAH X-6-9-17 **Drill 7 7/8" hole with fresh water**

Date: 3/1/2010

NDSI #2 at 2012. 1 Days Since Spud - MIRU on the Jonah X-6-9-17 - Drill 7 7/8" hole F/ 280'-2012' W/ 20,000lbs WOB, 140 TRPM, 395GPM 124 fph avg ROP - 1X 3.32' Gapsub, 1X2.50' X-over, 1X 2.22' A-Sub, 1X 30.58' Monel, 26 X4.5" HWDP Tag Cement @ 280' - Pickup BHA, Security FMHX6552M 7 7/8" PDC Bit, 6 1/2" Mud Motor, 1X 30.20' Monel, 1X 2.86' X-over, - Surface Csg. @ 1,500PSI for 30 min. All tested Good. - Pressure Test Pipe and Blind Rams, Choke, Kelly, and Safety Valve to 2,000PSI for ten Minutes. Test - Pick Up Kelly and gain Circulation

Daily Cost: $0

Cumulative Cost: $66,518

JONAH X-6-9-17 **Drill 7 7/8" hole with fresh water**

Date: 3/2/2010

NDSI #2 at 4263. 2 Days Since Spud - Rig service funtion test pipe rams and crownomatic - Drill 7 7/8" hole F/ 3027' to 4263' ,WOB 25,RPM 177, ROP 104, GPM 387 - Drill 7 7/8" hole F/ 2012' to 3027' ,WOB 25,RPM 177, ROP 114, GPM 387

Daily Cost: $0

Cumulative Cost: $86,118

JONAH X-6-9-17 **Drill 7 7/8" hole with fresh water**

Date: 3/3/2010

NDSI #2 at 5276. 3 Days Since Spud - Drill 7 7/8" hole F/ 4674' to 5276' WOB 25,RPM 177, ROP 82fph,395GPM - Rig Service Check Crown-O-Matic and BOP, Grease Crown, Blocks, and Swivel - Drill 7 7/8" hole F/ 4263' to 4674' WOB 25,RPM 177, ROP 82fph,395GPM

Daily Cost: $0

Cumulative Cost: $138,369

JONAH X-6-9-17 **Drill 7 7/8" hole with fresh water**

Date: 3/4/2010

NDSI #2 at 6250. 4 Days Since Spud - Rig Service Check Crown-O-Matic and BOP, Grease Crown, Blocks, and Swivel Change Swab & Liner - Drill 7 7/8" hole F/ 5498' to 6250' TD - Circulate well for Logs - Laydown Drillpipe - Drill 7 7/8" hole F/ 5276' to 5498' WOB 25,RPM 177, ROP 74fph,395GPM

Daily Cost: $0

Cumulative Cost: $166,493

JONAH X-6-9-17 **Waiting on Cement**

Date: 3/5/2010

NDSI #2 at 6250. 5 Days Since Spud - Laydown Drillpipe and BHA - Rig up loggers and Log Well - Rig Up B&C Quick Test and Test 5 1/2" casing Rams to 2,000PSI tested OK. - Rig up casers and run 143jts 5 1/2" Casing Set @ 6236.58'KB - Rig Up BJ Hardlines and Circulate W/ Rig Pump - Cement W/ 275sks of PL11+3%KCL+5#CSE+0.5#CF+2#KOL+.5sms+FP+SF - Pick Kelly up and spot 260bbls brine @ 4000' - Then 400sks 50:50:2+3%KCL+0.5%EC-1+.25#CF+.05#SF+.3SMS+FP-6L returned 30bbls to pit. - Nipple Down BOP Set slips W/ 90,000 tesion - Clean Mud Tanks - Rig Down - Released Rig @ 2:00 AM 3/5/10 - Mixed @ 11.0ppg W/ 3.50 yield **Finalized**

Daily Cost: $0

Cumulative Cost: $285,901

Pertinent Files: Go to File List